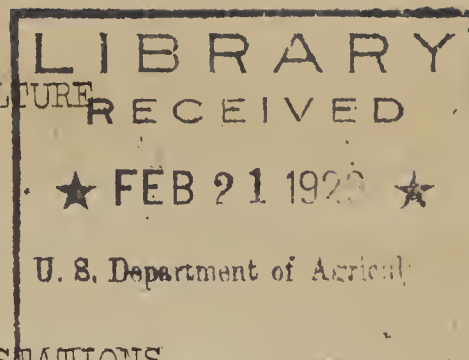


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EX 6611

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
E W ALLEN Chief



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING JANUARY 1929

Note:- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Fortieth annual report, fiscal year ending June 30, 1928. D. T. Gray et al.
(Arkansas Sta. Bul. 231, 82 p., 18 figs. Dec. 1928.)

Boron in the soils and irrigation waters of southern California and its relation to citrus and walnut culture. W. P. Kelley and S. M. Brown. (Hilgardia [California Sta.], vol. 3, No. 16, p. 445-458. Nov. 1928.)

Some Colorado tax problems, with special reference to their effect on agriculture. W. Coombs, L. A. Moorhouse, and B. D. Seeley. (Colorado Sta. Bul. 346, 87 p., 10 figs. Sept. 1928.)

Report on inspection of commercial fertilizers, 1928. E. M. Bailey. (Connecticut State Sta. Bul. 296, 95 + X p. Oct. 1928.)

The effect of inbreeding on the bones of the fowl. L. C. Dunn. (Connecticut Storrs Sta. Bul. 152, p. 55-112. Oct. 1928.)

Bovine infectious abortion: Tenth report, The establishing of abortion-free herds by an intensive system of serological testing, and segregation of non-reacting animals. L. F. Rettger et al. (Connecticut Storrs Sta. Bul. 153, p. 115-130. Jan. 1929.)

Bovine infectious abortion: Eleventh report, Increased productivity of an abortion-free dairy herd. G. C. White et al. (Connecticut Storrs Sta. Bul. 154, p. 133-147. Jan. 1929.)

Physiological dropping of fruits: II, In regard to genetic relationship of plants L.R. Detjen and G.F. Gray. (Delaware Sta. Bul. 157, 38 p., 20 figs. Nov. 1928.)

Annual report of the director for the fiscal year ending June 30, 1928. C. A. McCue et al. (Delaware Sta. Bul. 158, 43 p., 3 figs. Nov. 1928.)

The climate of Florida. A. J. Mitchell and M. R. Ensign. (Florida Sta. Bul. 200, p. 91-300, 14 figs. Nov. 1928.)

Relative energy value of alfalfa, clover, and timothy hay for the maintenance of sheep. H. H. Mitchell, W. G. Kammlade, and T. S. Hamilton. (Illinois Sta. Bul. 317, p. 125-167, 5 figs. Dec. 1928.)

- Costs and margins and other related factors in the distribution of fluid milk in four Illinois market areas. C.A. Brown. (Illinois Sta. Bul. 318, p. 171-282, 18 figs. Dec. 1928.)
- Livestock trucking by Illinois shipping associations. R. C. Ashby. (Illinois Sta. Circ. 331, 27 p., 5 figs. [1928].)
- Henry County soils. R. S. Smith, E. E. DeTurk, F. C. Bauer, and L. H. Smith. (Illinois Sta. Soil Rpt. 41, 65 p., 4 pls., 14 figs. Oct. 1928.)
- When shall we sell our corn? G. S. Shepherd. (Iowa Sta. Circ. 113, 23 p., 8 figs. Jan. 1929.)
- Pathology and bacteriology of the reproductive organs of mares in relation to sterility. W. W. Dimock and P. R. Edwards. (Kentucky Sta. Bul. 286, p. 157-237, 2 figs. July, 1928.)
- The marketing of tobacco. O. B. Jesness. (Kentucky Sta. Bul. 287, p. 241-270. Oct. 1928.)
- The foxglove aphid on potato and other plants. E. M. Patch. (Maine Sta. Bul. 346, p. 49-60, 3 figs. July 1928.)
- Commercial feeding stuffs, 1927-1928. J. M. Bartlett. (Maine Sta. Off. Insp. 128, p. 17-60. Aug. 1928.)
- Commercial fertilizers, 1928. J. M. Bartlett. (Maine Sta. Off. Insp. 129, p. 61-84. Oct. 1928.)
- Environmental factors influencing wheat production in Maryland. W. B. Kemp and J. E. Metzger. (Maryland Sta. Bul. 297, p. 123-173, 12 figs. July 1928.)
- Blight and leaf-spot of carrot in Massachusetts. W. L. Doran and E. F. Guba. (Massachusetts Sta. Bul. 245, p. 269-278. June 1928.)
- Control of red spider and powdery mildew on greenhouse cucumbers. W.D. Whitcomb and E. F. Guba. (Massachusetts Sta. Bul. 246, p. 279-294, 1 pl., 3 figs. Oct. 1928.)
- Control of Salmonella pullorum infection (bacillary white diarrhea) 1927-1928. W. R. Hinshaw and E. F. Sanders. (Massachusetts Sta. Control Ser. Bul. 43, 23 p. July 1928.)
- Certified Irish potato seed, report of 1928 test. H. H. Wedgworth et al. (Mississippi Sta. Circ. 80, 7 p. Oct. 1928.)
- Economics of strawberry production and marketing in Missouri. F. L. Thomsen and G. B. Thorne. (Missouri Sta. Bul. 262, 138 p., 54 figs. Aug. 1928.)
- Testing fertilizers, spring, 1928. L. D. Haigh. (Missouri Sta. Bul. 263, 12 p. Sept. 1928.)

Nitrogen and Carbohydrate distribution in organs of bearing apple spurs. A. E. Murneek. (Missouri Sta. Res. Bul. 119, 50 p., 54 figs. Aug. 1928.)

Goiter in farm animals. H. Welch. (Montana Sta. Bul. 214, 27 p., 1 fig. June 1928.)

Experiments with sugar beets at the Huntley Branch Station. D. A. Savage and L. Powers. (Montana Sta. Bul. 215, 31 p., 6 figs. July 1928.)

Some outstanding accomplishments of the Montana Agricultural Experiment Station--Thirty-fourth annual report, July 1, 1926, to June 30, 1927. F. B. Linfield et al. 104 p., 12 figs.

A standard for estimating the twig growth of one-year-old peach trees. M. A. Blake and G. W. Hervey. (New Jersey Stas. Bul. 475, 24 p., 8 figs. Dec. 1928.)

Nitrate assimilation by asparagus in the absence of light. G. T. Nightingale and L. G. Schermerhorn. (New Jersey Stas. Bul. 476, 24 p. Dec. 1928.)

Analyses of commercial fertilizers, fertilizer supplies and home mixtures for 1928. C. S. Cathcart. (New Jersey Stas. Bul. 479, 39 p. Oct. 1928.)

1929 spraying and dusting recommendations for apples. (New Jersey Stas. Circ. 213, 4 p. Dec. 1928.)

1929 spray calendar for peaches. (New Jersey Stas. Circ. 214, 4 p., 3 figs. Dec. 1928.)

1929 spray calendar for pears. (New Jersey Stas. Circ. 215, 3 p. Dec. 1928.)

Chromosome numbers in Zea mays L. L. F. Randolph. (New York Cornell Sta. Mem. 117, 44 p., 3 pls. June 1928.)

Forty-first annual report of New York State College of Agriculture at Cornell University and of Cornell University Agricultural Experiment Station, 1928. A. R. Mann et al. 170 p.

Systems of livestock farming for the mountain region of North Carolina. R. J. Saville. (North Carolina Sta. Bul. 260, 55 p., 13 figs. Oct. 1928.)

Value of lime on Cecil clay loam soil as measured by the yields and profits of crops grown in rotation under different soil treatments. C. B. Williams, S. K. Jackwon, and F. T. Meacham. (North Carolina Sta. Bul. 261, 26 p. Nov. 1928.)

Value of lime on Norfolk sandy loam soil, as shown by the relative yields and profits of crops grown in rotation under different soil treatments. C. B. Williams, H. B. Mann, and R. E. Currin, Jr. (North Carolina Sta. Bul. 262, 21 p. Nov. 1928.)

A method for measuring the "drag" of cotton fibers and the relation of certain physical properties of the cotton fiber to yarn quality. J. H. Moore. (North Carolina Sta. Tech. Bul. 33, 43 p., 15 pls. Oct. 1928.)

- Cooperative marketing of livestock in North Dakota. A. H. Benton and H. E. Seielstad. (North Dakota Sta. Bul. ²²³63, p., 14 figs. Nov. 1928.)
- A business study of the Ohio poultry producers' cooperative association. L. G. Foster. (Ohio Sta. Bul. 427, 38 p., 9 figs. Oct. 1928.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul., vol. 14, No. 1, 32 p., 6 figs. Jan.-Feb. 1929.)
- Field work of the Ohio Agricultural Experiment Station, Wooster, Ohio. (Ohio Sta. [Pamphlet], 35 p., 1 pl., 3 figs. [1928.])
- The wheat jointworm in Oregon. T. R. Chamberlin. (Oregon Sta. Circ. 86, 7 p., 2 figs. Nov. 1928.)
- Director's biennial report, Oregon Agricultural Experiment Station, 1924-1926. J. T. Jardine et al. 133 p.
- The relation of the basic-surplus marketing plan to milk production in the Philadelphia milk shed. F. F. Lininger. (Pennsylvania Sta. Bul. 231, 63 p., 22 figs. Aug. 1928.)
- The mineral content of feeds, soils and waters of South Carolina. J. H. Mitchell, J. D. Warner, and K. S. Morrow. (South Carolina Sta. Bul. 252, 32 p. Dec. 1928.)
- An agricultural survey of the Charleston area. A. M. Carkuff. (South Carolina Sta. Bul. 253, 62 p., 23 figs. Dec. 1928.)
- Irish potato outlook, South Carolina, 1929. W. C. Jensen and A. M. Carkuff. (South Carolina Sta. Circ. 34, 16 p., 4 figs. Dec. 1928.)
- Forty-first annual report of the South Carolina Experiment Station of Clemson Agricultural College for the year ended June 30, 1928. H. W. Barre. 95 p., 33 figs.
- Pulverizing limestone on the farm. F. D. Jones. (Tennessee Sta. Circ. 23, 4 p., 2 figs. Dec. 1928.)
- Relation of cotton root rot and Fusarium wilt to the acidity and alkalinity of the soil. J. J. Taubenhaus, W. N. Ezekiel, and D. T. Killough. (Texas Sta. Bul. 389, 19 p., 5 figs. Nov. 1928.)
- Experiments with fertilizers on rotated and non-rotated crops. E. B. Reynolds. (Texas Sta. Bul. 390, 39 p., 2 figs. Dec. 1928.)
- Mechanical harvesting of cotton in northwest Texas. D. L. Jones, W. M. Hurst, and D. Scoates. (Texas Sta. Circ. 52, 31 p., 18 figs. Nov. 1928.)
- An economic study of the apple industry of Utah, 1926 and 1927. W. P. Thomas and P. V. Cardon. (Utah Sta. Bul. 208, 72 p., 21 figs. Dec. 1928.)

Feeding cocoa meal to dairy heifers. H. B. Ellenberger and R. D. Aplin. (Vermont Sta. Bul. 284, 19 p., 6 figs. June 1928.)

Annual report of the Western Washington Experiment Station for the fiscal year ending March 31, 1928. J. W. Kalkus et al. (Western Washington Sta. Bul. 10-W, 52 p., 4 figs. Oct. 1928.)

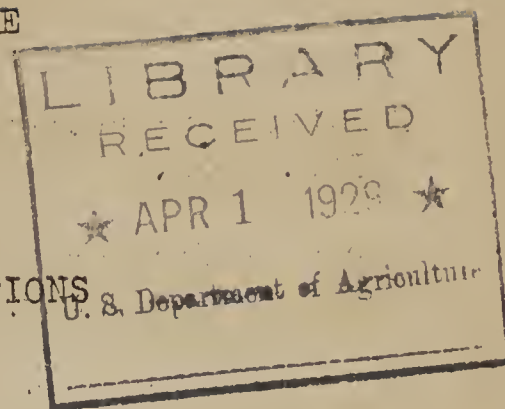
Raising dairy calves and heifers. J. V. Hopkins and H. O. Henderson. (West Virginia Sta. Circ. 52, 23 p., 8 figs. Oct. 1928.)

Buildings and equipment for the livestock farm. F. D. Cornell, jr. (West Virginia Sta. Circ. 53, 55 p., 50 figs. Nov. 1928.)

Cooperative butter marketing in Wisconsin. T. Macklin and M. A. Schaars. (Wisconsin Sta. Bul. 401, 39 p., 8 figs. Aug. 1928.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
E W ALLEN Chief



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING FEBRUARY 1929

Note:- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Report of the Alaska Agricultural Experiment Stations, 1927. H. W. Alberts. 40 p., 19 figs.

Cotton spacing: I, Studies of the effect on yield and earliness. J. O. Ware. (Arkansas Sta. Bul. 230, 84 p. Jan. 1929.)

Prune supply and price situation. S. W. Shear. (California Sta. Bul. 462, 69 p., 14 figs. Dec. 1928.)

Drainage in the Sacramento Valley rice fields. W. W. Weir. (California Sta. Bul. 464, 37 p., 12 figs. Jan. 1929.)

Factors affecting selling prices of land in the Eleventh Federal Farm Loan District. D. Weeks. (Hilgardia [California Sta.], vol. 3, No. 17, p. 459-542, 33 figs. Jan. 1929.)

The effect of topping and suckering on Havana seed tobacco, being a report of the Tobacco Sub-Station at Windsor. N. T. Nelson. (Connecticut State Sta. Bul. 297, p. 99-110, 1 fig. Nov. 1928.)

Report of the Director for the year ending October 31, 1928. W. L. Slate. (Connecticut State Sta. Bul. 298, p. 115-139, 11 figs. Dec. 1928.)

The assessment and equalization of real property in Delaware. M. M. Daugherty. (Delaware Sta. Bul. 159, 51 p., 8 figs. Dec. 1928.)

Coconut bud rot in Florida. J. L. Seal. (Florida Sta. Bul. 199, 87 p., 51 figs. Sept. 1928.)

Variety tests of white potatoes. L. O. Gratz. (Florida Sta. Bul. 201, p. 303-316. Nov. 1928.)

Small grain tests. R. P. Bledsoe. (Georgia Sta. Bul. 149, 35 p. Dec. 1928.)

Cotton variety test, 1928. R. P. Bledsoe, H. K. Brabham, and G. A. Hale. (Georgia Sta. Circ. 83, 3 p. Jan. 1929.)

Report of the Guam Agricultural Experiment Station, 1927. C. W. Edwards. 17 p., 3 figs.

Chemical sterilization of dairy utensils on the farm and in the dairy plant. M. J. Prucha. (Illinois Sta. Circ. 332, 11 p., 7 figs. [1928.])

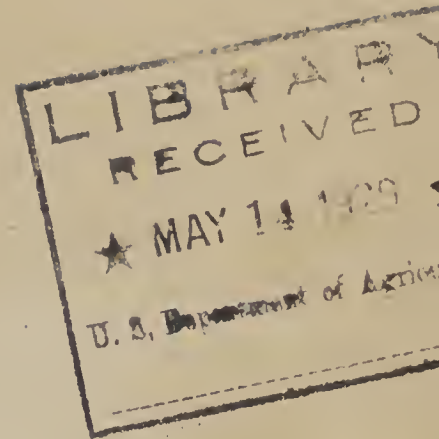
- Poultry farm equipment. H. H. Alp. (Illinois Sta. Circ. 333, 20 p., 30 figs. Feb. 1929.)
- Types of farming in Iowa. C. L. Holmes. (Iowa Sta. Bul. 256, p. 115-166, 16 figs. Jan. 1929.)
- The cooperative marketing of tobacco. O. B. Jesness. (Kentucky Sta. Bul. 288, p. 273-306. Oct. 1928.)
- Insect investigations. H. S. McConnell et al. (Maryland Sta. Bul. 298, p. 179-198. July 1928.)
- Peach pruning in Maryland. A. L. Schrader and E. C. Auchter. (Maryland Sta. Bul. 299, 36 p., 35 figs. July 1928.)
- Meteorological observations at the Massachusetts Agricultural Experiment Station. C. I. Gunness and L. O. Jones. (Massachusetts Sta. Met. Bul. 480, 4 p. Dec. 1928.)
- Meteorological observations for January 1929. C. I. Gunness and L. O. Jones. (Massachusetts Sta. Met. Bul. 481, 4 p. Jan. 1929.)
- Artificial ripening of fruits and vegetables. R. B. Harvey. (Minnesota Sta. Bul. 247, 36 p., 8 figs. Oct. 1928.)
- A nutrition investigation of negro tenants in the Yazoo-Mississippi Delta. D. Dickins. (Mississippi Sta. Bul. 254, 52 p., 16 figs. Aug. 1928.)
- Food and health. D. Dickins. (Mississippi Sta. Bul. 255, 20 p., 5 figs. July 1928.)
- Progress report on cost of production route in Jones County, Mississippi, 1927. L. E. Long and J. R. Allen. (Mississippi Sta. Bul. 256, 36 p. July 1928.)
- Systems of farming for the hill sections of Mississippi. L. E. Long and R. S. Kifer. (Mississippi Sta. Bul. 257, 50 p., 15 figs. Sept. 1928.)
- Degeneration diseases of the Irish potato in Mississippi. H. H. Wedgworth. (Mississippi Sta. Bul. 258, 11 p., 7 figs. Sept. 1928.)
- Feed, care, and management of the dairy cow. J. S. Moore. (Mississippi Sta. Bul. 259, 15 p., 1 fig. Jan. 1928.)
- Sheep production in Mississippi. H. H. Leveck and D. S. Buchanan. (Mississippi Sta. Bul. 260, 36 p., 16 figs. Sept. 1928.)
- Corn seed treatment experiments. H. H. Wedgworth et al. (Mississippi Sta. Circ. 81, 3 p., 1 fig. Dec. 1928.)
- Cotton varieties. J. F. O'Kelly and W. W. Hull. (Mississippi Sta. Circ. 82, 6 p. Dec. 1928.)
- Fertilizing cotton. C. B. Anders. (Mississippi Sta. Circ. 83, 7 p. Jan. 1929.)

- Chemicals in the apiary, with notes on their use. R. Hutson. (New Jersey Stas. Circ. 211, 8 p. Jan. 1929.)
- A device for determining the texture of peach fruits for shipping and marketing. M. A. Blake. (New Jersey Stas. Circ. 212, 8 p., 2 figs. Feb. 1929.)
- Sizes of purchasing centers of New York farm families. H. Canon. (New York Cornell Sta. Bul. 472, 15 p., 3 figs. Nov. 1928.)
- Commercial fertilizers: I, History of fertilizer-control work of the station; II, Composition and cost of commercial fertilizers in New York State from 1913 to 1928. L. L. Van Slyke. (New York State Sta. Bul. 557, 24 p. Nov. 1928.)
- Spraying experiments with bush lima beans. E. E. Clayton. (New York State Sta. Bul. 558, 22 p., 2 figs. Nov. 1928.)
- Heat-resistant and heat-loving bacteria in their relation to the pasteurization of milk. R. S. Breed. (New York State Sta. Bul. 559, 19 p., 6 figs. Nov. 1928.)
- Downy and powdery mildews of the grape and their control. F. E. Gladwin. (New York State Sta. Bul. 560, 14 p., 3 figs. Dec. 1928.)
- The fruit tree leaf roller in western New York. S. W. Harman. (New York State Sta. Bul. 561, 31 p., 6 figs. Dec. 1928.)
- Chemical studies of grape pigments: II, The anthocyanins in Clinton grapes. R. J. Anderson and F. P. Nabenhauer; III, The anthocyanins in Seibel grapes. R. J. Anderson. (New York State Sta. Tech. Bul. 146, 21 p. July, 1928.)
- Thermophilic and thermoduric micro-organisms with special reference to species isolated from milk: V, Description of spore-forming types. P. S. Prickett. (New York State Sta. Tech. Bul. 147, 58 p., 1 fig. Oct. 1928.)
- Approved practices for sweet potato growers. H. B. Mann, R. F. Poole, and R. Schmidt. (North Carolina Sta. Bul. 263, 6 p. Feb. 1929.)
- A survey of the 1928 North Dakota wheat crop. C. E. Mangels, T. E. Stoa, and R. C. Dynes. (North Dakota Sta. Bul. 222, 23 p., 8 figs. Nov. 1928.)
- Plants in the home. A. F. Yeager. (North Dakota Sta. Bul. 224, 32 p., 15 figs. Dec. 1928.)
- Commercial fertilizers, 1929 edition. R. H. Robinson, C. F. Whitaker, and D. E. Bullis. (Oregon Sta. Circ. 87, 24 p. Jan. 1929.)
- Motor-driven green feed, root, and straw choppers. F. E. Price, G. W. Kable, and F. E. Fox. (Oregon Sta. Circ. 88, 8 p., 7 figs. Jan. 1929.)
- The Jerusalem artichoke. H. A. Schoth. (Oregon Sta. Circ. 89, 16 p., 5 figs. Jan. 1929.)
- Director's biennial report [Oregon Agricultural Experiment Station], 1926-1928. J. T. Jardine. 133 p.
- Report of the Porto Rico Agricultural Experiment Station, 1927. D. W. May et al. 31 p., 6 figs.

- The substitution of stable manure by fertilizers, green manures and peat: III
F. L. Hartwell and F. K. Crandall. (Rhode Island Sta. Bul. 216, 20 p. Aug.,
1928.)
- Cotton variety tests, 1928. T. S. Ruie. (South Carolina Sta. Circ. 35, 11 p.,
1 fig. Feb. 1929.)
- Annual report of the director [of the South Dakota Agricultural Experiment Sta-
tion] for the fiscal year ending June 30, 1928. J. W. Wilson. 32 p.
- Cotton diseases of special importance in Tennessee and their control. C. D. Sher-
bakoff. (Tennessee Sta. Circ. 24, 2 p. Jan. 1929.)
- Relation of the water-soluble potash, the replaceable, and acid-soluble potash re-
moved by crops in pot experiments. G. S. Fraps. (Texas Sta. Bul. 391, 18 p.
Jan. 1929.)
- The Utah Agricultural Experiment Station. P. V. Cardon. (Utah Sta. Circ. 76, 4 p.
Feb. 1929.)
- Commercial fertilizers. L. S. Walker and E. F. Boyce. (Vermont Sta. Bul. 287,
24 p. Aug. 1928.)
- Agricultural seed. A. S. Lutman. (Vermont Sta. Bul. 288, 8 p. Dec. 1928.)
- Net-necrosis of Irish potato tubers. A. H. Gilbert. (Vermont Sta. Bul. 289,
36 p., 12 pls., 7 figs. Sept. 1928.)
- Commercial feeding stuffs. L. S. Walker and E. F. Boyce. (Vermont Sta. Bul. 290,
38 p. Nov. 1928.)
- Forty-first annual report, 1927-1928. J. L. Hills. (Vermont Sta. Bul. 291, 16
p. July 1928.)
- Thirty-eighth annual report for the fiscal year ended June 30, 1928. E. C. John-
son et al. (Washington Col. Sta. Bul. 229, 71 p. Dec. 1928.)
- Blueberry growing, a new industry in Washington. D. J. Crowley. (Washington Col.
Sta. Pop. Bul. 144, 11 p., 4 figs. Dec. 1928.)
- Effect of winter rations on pasture gains of calves marketed as three-year-old
steers. C. V. Wilson, R. H. Tuckwiller, and E. W. Sheets. (West Virginia Sta.
Bul. 218, 16 p., 5 figs. Mar. 1928.)
- What's new in farm science: Annual report of the Director, 1927-1928. H. L.
Russell et al. (Wisconsin Sta. Bul. 405, 128 p., 49 figs. Feb. 1929.)
- Inherited epithelial defects in cattle. F. B. Hadley and L. J. Cole. (Wiscon-
sin Sta. Res. Bul. 86, 35 p., 12 figs. June 1928.)
- Thirty-eighth annual report of the University of Wyoming Agricultural Experiment
Station, 1927-1928. J. A. Hill, et al. p. 135-171.

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Ex 6212

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
E W ALLEN Chief



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING MARCH 1929

Note:- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Fertilizer experiments with cotton. J. T. Williamson. (Alabama Sta. Bul. 228, 31 p. Feb. 1929.)

Brief history of cattle breeding in Alaska. C. C. Georgeson. (Alaska Stas. Bul. 8, 23 p., 20 figs. Jan. 1929.)

The southern corn root worm. D. Isely. (Arkansas Sta. Bul. 232, 31 p., 1 pl., 11 figs. Jan. 1929.)

The forty-first annual report of the Colorado Agricultural Experiment Station for the year 1928. C. P. Gillette et al. 48 p.

Report of the Tobacco Substation at Windsor for 1928. P. J. Anderson and T. R. Swanback. (Connecticut State Sta. Bul. 299, p. 145-203, 8 figs. Jan. 1929.)

Pimiento peppers. J. G. Woodroof and J. E. Bailey. (Georgia Sta. Bul. 150, 31 p. 10 figs. Feb. 1929.)

Bright tobacco in Georgia. J. M. Carr. (Georgia Coastal Plain Sta. Bul. 10, 31 p., 3 figs. Nov. 1928.)

Fertilizer experiments with truck crops in southern Illinois. J. W. Lloyd. (Illinois Sta. Bul. 319, p. 284-298, 3 figs. Feb. 1929.)

Inheritance of kernel arrangement in sweet corn. W. A. Huelsen and M. C. Gillis, (Illinois Sta. Bul. 320, p. 301-336, 9 figs. Feb. 1929.)

Morgan County soils. R. S. Smith, E. E. DeTurk, F. C. Bauer, and L. E. Smith. (Illinois Sta. Soil Rpt. 42, 64 p., 2 pls., 13 figs. Feb. 1929.)

A manual for poultry club members. E. I. Pilchard and J. Vandervort. (Illinois Sta. Circ. 335, 28 p., 11 figs. Mar. 1929.)

Country elevator margins and costs in marketing Kansas wheat. R. M. Green and E. B. Ballow. (Kansas Sta. Bul. 246, 60 p., 7 figs. Sept. 1928.)

Potato experiments for the control of Rhizoctonia, scab and blackleg, 1922 to 1927. R. P. White. (Kansas Sta. Tech. Bul. 24, 37 p. Oct. 1928.)

The effect of the combined harvester-thresher on farm organization in southwestern Kansas and northwestern Oklahoma. W. E. Grimes, R. S. Kifer, and J. A. Hodges. (Kansas Sta. Circ. 142, 24 p., 6 figs. July 1928.)

Cattle feeding investigations, 1926-27. B. M. Anderson, C. W. McCampbell, and H. W. Marston. (Kansas Sta. Circ. 143, 13 p., 1 fig. Aug. 1928.)

Spraying fruit plants. W. F. Pickett and W. R. Martin, jr. (Kansas Sta. Circ. 145, 32 p., 17 figs. Mar. 1929.)

Director's report [Kansas Agricultural Experiment Station] for the biennium July 1, 1926, to June 30, 1928. L. E. Call. 153 p., 4 figs.

An economic study of 93 apple farms in Oxford County, Maine, 1924-1927. C. H. Merchant. (Maine Sta. Bul. 347, p. 61-144, 1 fig. Oct. 1928.)

Meteorological observations for February, 1929. C. I. Gunness. (Massachusetts Sta. Met. Bul. 482, 4 p. Feb. 1929.)

Inspection of commercial feedstuffs. P. H. Smith et al. (Massachusetts Sta. Control Ser. Bul. 44, 28 p. Nov. 1928.)

Inspection of commercial fertilizers. H. D. Haskins, H. R. DeRose and M. W. Goodwin. (Massachusetts Sta. Control Ser. Bul. 45, 47 p. Dec. 1928.)

Size of peaches and size of crop. V. R. Gardner, R. E. Marshall, and H. D. Hootman. (Michigan Sta. Spec. Bul. 184, 27 p., 12 figs. Nov. 1928.)

Roadside marketing in Michigan. H. P. Gaston. (Michigan Sta. Spec. Bul. 185, 49 p., 27 figs. Jan. 1929.)

Organic matter in Berrien County soils. M. M. McCool and J. O. Veatch. (Michigan Sta. Circ. 108, 6 p., 1 fig. Jan. 1929.)

Organic matter in Ingham County soils. M. M. McCool and J. O. Veatch. (Michigan Sta. Circ. 109, 6 p., 1 fig. Jan. 1929.)

Organic matter in Kalamazoo County soils. M. M. McCool and J. O. Veatch. (Michigan Sta. Circ. 110, 6 p., 1 fig. Jan. 1929.)

Organic matter in Ottawa County soils. M. M. McCool and J. O. Veatch. (Michigan Sta. Circ. 111, 6 p., 1 fig. Jan. 1929.)

Organic matter in Van Buren County soils. M. M. McCool and J. O. Veatch. (Michigan Sta. Circ. 112, 6 p., 1 fig. Jan. 1929.)

Organic matter in Calhoun County soils. M. M. McCool and J. O. Veatch. (Michigan Sta. Circ. 113, 6 p., 1 fig. Jan. 1929.)

Organic matter in Livingston County soils. M. M. McCool and J. O. Veatch.
(Michigan Sta. Circ. 114, 6 p., 1 fig. Jan. 1929.)

Organic matter in Hillsdale County soils. M. M. McCool and J. O. Veatch.
(Michigan Sta. Circ. 115, 6 p., 1 fig. Jan. 1929.)

Organic matter in Macomb County soils. M. M. McCool and J. O. Veatch. (Michigan Sta. Circ. 116, 6 p., 1 fig. Jan. 1929.)

Distribution of acid soils, Muskegon County. J. O. Veatch. (Michigan Sta. Circ. 117, 6 p., 4 figs. Jan. 1929.)

Distribution of acid soils, Jackson County. J. O. Veatch. (Michigan Sta. Circ. 118, 6 p., 4 figs. Jan. 1929.)

Distribution of acid soils, Hillsdale County. J. O. Veatch. (Michigan Sta. Circ. 119, 6 p., 4 figs. Jan. 1929.)

Distribution of acid soils, Ingham County. J. O. Veatch. (Michigan Sta. Circ. 120, 6 p., 4 figs. Jan. 1929.)

Distribution of acid soils, Kent County. J. O. Veatch. (Michigan Sta. Circ. 121, 6 p., 4 figs. Jan. 1929.)

Distribution of acid soils, Tuscola County. J. O. Veatch. (Michigan Sta. Circ. 122, 6 p., 4 figs. Jan. 1929.)

The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 11, No. 3, p. 95-150, 8 figs. Feb. 1929.)

Marketing locally grown raspberries in Minnesota. H. B. Price, O. A. Negaard, and W. G. Brierley. (Minnesota Sta. Bul. 245, 21 p., 5 figs. July 1928.)

Factors affecting expenditures of farm family incomes in Minnesota. C. C. Zimmerman and J. D. Black. (Minnesota Sta. Bul. 246, 31 p., 4 figs. July 1928.)

Shall growing pigs be full fed? E. F. Ferrin and M. A. McCarty. (Minnesota Sta. Bul. 248, 14 p., 1 fig. Oct. 1928.)

Experimental and mathematical analyses of drain tile testing and new test bearing. D. G. Miller and J. A. Wise. (Minnesota Sta. Tech. Bul. 52, 66 p., 30 figs. May 1928.)

Regional and seasonal distribution of moisture, carbohydrates, nitrogen, and ash in 2-3 year portions of apple twigs. H. P. Traub. (Minnesota Sta. Tech. Bul. 53, 67 p., 20 figs. June 1927.)

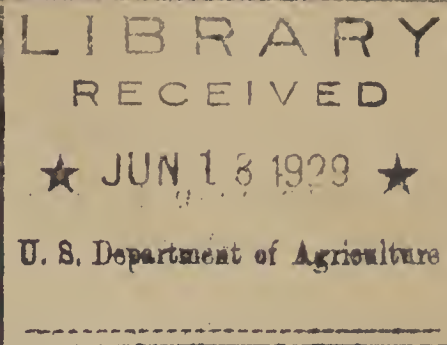
Length of tracheids in jack pine in relation to their position in the vertical and horizontal axes of ^{the} tree. D. A. Kribs. (Minnesota Sta. Tech. Bul. 54, 14 p., 3 figs. Aug. 1928.)

- The mode of inheritance of yearly butterfat production: An analysis of the progeny performance of Ayrshire sires and dams. W. Gifford and C. W. Turner. (Missouri Sta. Res. Bul. 120, 52 p., 5 figs. Aug. 1928.)
- A comparison of four systems of pruning grapes. D. Faurot and T. J. Talbert. (Missouri Sta. Res. Bul. 121, 35 p., 10 figs. Sept. 1928.)
- Montana insect pests for 1927 and 1928: The twenty-second report of the State Entomologist of Montana. J. R. Parker and W. B. Mabee. (Montana Sta. Bul. 216, 23 p., 6 figs. Dec. 1928.)
- Fattening steers of various ages. H. J. Gramlich. (Nebraska Sta. Bul. 229, 57 p., 10 figs. Oct. 1928.)
- The use of time in farm homes. J. O. Rankin. (Nebraska Sta. Bul. 230, 50 p., 19 figs. Dec. 1928.)
- Economic aspects of the cattle industry of the Nebraska Sand Hills. H. Hedges. (Nebraska Sta. Bul. 231, 42 p., 5 figs. Dec. 1928.)
- Tillage practices in relation to corn production. T. A. Kiesselbach, A. Anderson, and W. E. Lyness. (Nebraska Sta. Bul. 232, 19 p. Dec. 1928.)
- Nebraska tractor tests, 1920-1928. (Nebraska Sta. Bul. 233, 1 pl., 5 figs. Jan. 1929.)
- The insects and mites injurious to poultry in Nebraska and their control. M. H. Swenk and F. E. Mussehl. (Nebraska Sta. Circ. 37, 31 p., 10 figs. Dec. 1928.)
- Inspection of commercial feeding-stuffs, 1928, made for the State Department of Agriculture. T. G. Phillips, T. O. Smith, and F. S. Schlenker. (New Hampshire Sta. Bul. 236, 50 p. Aug. 1928.)
- Analyses of commercial fertilizers and ground bone; analyses of agricultural lime, 1928. C. S. Cathcart. (New Jersey Stas. Bul. 481, 29 p. Dec. 1928.)
- Hotbeds and coldframes. A. B. Fite and J. W. Rigney. (New Mexico Sta. Bul. 170, 12 p., 4 figs. Dec. 1928.)
- Thirty-ninth annual report agricultural experiment station of the New Mexico College of Agriculture and Mechanic Arts, 1927-1928. F. Garcia. 68 p., 1 pl., 5 figs.
- Pollination of greenhouse tomatoes. H. W. Schneck. (New York Cornell Sta. Bul. 470, 60 p., 32 figs. Oct. 1928.)
- The oriental peach moth in New York. D. M. Daniel. (New York State Sta. Circ. 106, 8 p., 6 figs. Nov. 1928.)
- Life history, habits, and control of the European corn borer in Erie and Chautauqua Counties. G. E. R. Hervey. (New York State Sta. Circ. 107, 11 p., 4 figs. Dec. 1928.)

- Dusting and spraying experiments with potatoes on Long Island in 1928. H. C. Hockett. (New York State Sta. Circ. 108, 12 p., 4 figs. Dec. 1928.)
- The bud moth. P. J. Parrott and S. W. Harman. (New York State Sta. Circ. 109, 10 p., 10 figs. Jan. 1929.)
- Grape culture in New York. F. E. Gladwin. (New York State Sta. Circ. 110, 10 p. Feb. 1929.)
- The fruit tree leaf roller in western New York. S. W. Harman. (New York State Sta. Circ. 111, 11 p., 6 figs. Mar. 1929.)
- Causes of poultry mortality in North Carolina. R. S. Dearstyne, B. F. Kaupp, and H. S. Wilfong. (North Carolina Sta. Bul. 264, 31 p., 5 figs. Mar. 1929.)
- The ox warble flies (Hypoderma bovis de Geer, Hypoderma lineatum de Villers). D. C. Mote. (Ohio Sta. Bul. 428, 45 p., 12 figs. Nov. 1928.)
- The European corn borer and its environment. L. L. Huber, C. R. Neiswander, and R. M. Salter. (Ohio Sta. Bul. 429, 196 p., 20 figs. Dec. 1928.)
- The normal multiple sprouting of seed potatoes. J. Bushnell. (Ohio Sta. Bul. 430, 27 p., 10 figs. Jan. 1929.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul., vol. 14, No. 2, p. 35-64, 6 figs. Mar.-Apr. 1929.)
- Liming western Oregon soils. R. E. Stephenson and W. L. Powers. (Oregon Sta. Bul. 237, 20 p., 7 figs. Dec. 1928.)
- Coccidiosis of the chicken. W. T. Johnson. (Oregon Sta. Bul. 238, 16 p., 7 figs. Dec. 1928.)
- Corn silage versus sweet sorghum silage for milk production. J. P. LaMaster and K. S. Morrow. (South Carolina Sta. Bul. 254, 32 p., 2 figs. Jan. 1929.)
- Ground hay for milk production. K. S. Morrow and J. P. LaMaster. (South Carolina Sta. Bul. 255, 31 p. Jan. 1929.)
- Nitrate of soda experiments, 1928. W. B. Rogers. (South Carolina Sta. Circ. 36, 12 p., 1 fig. Feb. 1929.)
- Forty-first annual report [Tennessee Agricultural Experiment Station] 1928. C. A. Mooers et al. 55 p., 66 figs.
- Biennial report of the director, July 1, 1926 - June 30, 1928. W. Peterson. (Utah Sta. Bul. 209, 84 p. Feb. 1929.)
- Economics of the farm manufacture of maple syrup and sugar. J. A. Hitchcock. (Vermont Sta. Bul. 285, 96 p., 19 figs. July 1928.)

- Economics of the farm manufacture of maple syrup and sugar, continuation of discussion in Bulletin 235. J. A. Hitchcock. (Vermont Sta. Bul. 286, 24 p. July 1928.)
- Cost and profit in the sugar orchard. J. A. Hitchcock. (Vermont Sta. Bul. 292, 19 p., 3 figs. Feb. 1929.)
- Cranberry growing in Washington, D. J. Crowley. (Washington Col. Sta. Bul. 230, 47 p., 13 figs. Feb. 1929.)
- Grain crops in Western Washington. M. E. McCollam. (Western Washington Sta. Bul. 11-W, 19 p., 5 figs. Jan. 1929.)
- Comparative tests of certain feeds in rations for pigs. E. A. Livesay and E. C. Stillwell. (West Virginia Sta. Bul. 213; 16 p., 4 figs. Jan. 1928.)
- Varietal experiments with tobacco. T. C. McIlvaine and R. J. Garber. (West Virginia Sta. Bul. 216; 16 p., 3 figs. Feb. 1928.)
- Certain normal characteristics of White Leghorn females. (West Virginia Sta. Bul. 220, 16 p., 3 figs. May 1928.)
- Methods of winter wheat tillage. A. L. Nelson. (Wyoming Sta. Bul. 161, p. 39-52. Jan. 1929.)
- Making bread from Wyoming flour. E. J. McKittrick and E. G. Grundmeier. (Wyoming Sta. Bul. 162, p. 55-76, 2 figs. Feb. 1929.)

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
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LIST OF STATION PUBLICATIONS
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Note:- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Curly top symptoms on the sugar beet. H. H. P. Severin. (California Sta. Bul. 465, 35 p., 4 pls., 13 figs. Mar. 1929.)

The continuous can washer for dairy plants. A. W. Farrall. (California Sta. Bul. 466, 31 p., 15 figs. Mar. 1929.)

Yellows disease of celery, lettuce, and other plants, transmitted by Cicadula sex-notata (Fall.). H. H. P. Severin. (Hilgardia [California Sta.], vol. 3, No. 18, p. 543-582, 6 pls., 15 figs. Feb. 1929.)

A macroscopical analysis of the fleeces of four Romney rams. J. F. Wilson. (Hilgardia [California Sta.], vol. 3, No. 19, p. 583-594, 5 figs. Feb. 1929.)

Additional host plants of curly top. H. H. P. Severin. (Hilgardia [California Sta.], vol. 3, No. 20, p. 595-636, 4 pls., 25 figs. Mar. 1929.)

Effects of early handicaps on chickens as measured by yolk absorption and body weight to twenty weeks of age. S. L. Parker. (Hilgardia [California Sta.], vol. 4, No. 1, 56 p., 14 figs. Mar. 1929.)

Termites and termite damage. S. F. Light. (California Sta. Circ. 314, 29 p., 25 figs. Apr. 1929.)

Report of the agricultural experiment station of the University of California from July 1, 1927 to June 30, 1928. E. D. Merrill et al. 127 p., 2 figs.

The climate of Colorado, a forty-one year record. R. E. Trimble. (Colorado Sta. Bul. 340, 68 p. Dec. 1928.)

The principles of bread-making. N. E. Goldthwaite. (Colorado Sta. Bul. 344, 37 p., 12 figs. Feb. 1929.)

Suggestions concerning small irrigation pumping plants. W. E. Code. (Colorado Sta. Bul. 350, 22 p., 7 figs. Jan. 1929.)

~~The willow scab fungus, *Fusicladium saliciperdatum*.~~ G. P. Clinton and F. A. McCormick.
(Connecticut State Sta. Bul. 302, p. 441-469, 8 pls. Mar. 1929.)

Fertilizer ratio experiments conducted on Cecil sandy clay loam.-- Cotton, corn, and wheat grown in rotation. R. P. Bledsoe and J. J. Skinner. (Georgia Sta. Bul. 151, 31 p., 16 figs. Jan. 1929.)

Swine feeding and quality of pork. F. R. Edwards. (Georgia Sta. Circ. 84, 12 p. Mar. 1929.)

Forty-first annual report, Georgia Experiment Station, for the year 1928. H. F. Stuckey. 43 p., 5 figs.

Developments in the corn-borer battle: The corn-borer advance in 1928. W. P. Flint, G. H. Dungan, and A. L. Young. (Illinois Sta. Circ. 334, 2 p., 1 fig. Feb. 1929.)

Sewage disposal for the farm home. R. C. Kelleher and E. W. Lehmann. (Illinois Sta. Circ. 336, 20 p., 19 figs. Mar. 1929.)

Housing farm poultry. W. A. Foster and H. H. Alp. (Illinois Sta. Circ. 337, 24 p., 23 figs. Mar. 1929.)

Oriental fruit moth invades Illinois. W. P. Flint and S. C. Chandler. (Illinois Sta. Circ. 338, 7 p., 3 figs. Apr. 1929.)

Legumes in soil improvement. A. T. Wiancko, G. P. Walker, and R. R. Mulvey. (Indiana Sta. Bul. 324, 24 p., 6 figs. July 1928.)

Fattening western lambs. C. Harper. (Indiana Sta. Bul. 325, 12 p., 1 fig. July 1928.)

Peach pruning. F. P. Cullinan. (Indiana Sta. Bul. 326, 32 p., 18 figs. Sept. 1928.)

Fourteenth annual report of the Creamery License Division for the year ending March 31, 1928. T. H. Binney. (Indiana Sta. Circ. 153, 23 p., 3 figs. June 1928.)

The culture of onions in Indiana. H. D. Brown. (Indiana Sta. Circ. 158, 36 p., 16 figs. Sept. 1928.)

Stallion enrollment: XVII, Report of Stallion Enrollment Board for the year 1928 with lists of stallions and jacks enrolled. (Indiana Sta. Circ. 159, 44 p., 2 figs. Dec. 1928.)

Red clover seed for Indiana. A. T. Wiancko and R. R. Mulvey. (Indiana Sta. Circ. 160, 4 p., 1 fig. Nov. 1928.)

Fertilizers for Indiana soils and crops. A. T. Wiancko. (Indiana Sta. Circ. 162, 8 p., 1 fig. Oct. 1928.)

Report of the Director [Indiana Station] for the year ending June 30, 1928. G. I. Christie and H. J. Reed. 83 p., 27 figs.

- Relation of certain ear and kernel characters of Reid Yellow Dent corn to yield. H. D. Hughes and J. L. Robinson. (Iowa Sta. Bul. 257, p. 169-208, 13 figs. Jan. 1929.)
- Annual report [Iowa Station] for fiscal year ending June 30, 1928. C. F. Curtiss. 64 p.
- The Iowa agricultural outlook for 1929. C. L. Holmes. (Iowa Sta. Cur. Econ. Ser. Rpt. 8, 39 p., 3 figs. Mar. 1929.)
- Bacillary white diarrhea. P. R. Edwards and F. E. Hull. (Kentucky Sta. Circ. 40, 15 p., 4 figs. Nov. 1928.)
- Commercial agricultural seeds, 1928; insecticides and fungicides, 1928. J. M. Bartlett et al. (Maine Sta. Off. Insp. 130, p. 85-116. Dec. 1928.)
- Potash from industrial alcohol. L. B. Broughton, H. L. Marshall, and N. C. Thornton. (Maryland Sta. Bul. 300, p. 37-61. Oct. 1928.)
- The manufacture and distribution of tomatoes, sweet corn and peas in Maryland. W. J. Hart. (Maryland Sta. Bul. 301, p. 63-145, 25 figs. Nov. 1928.)
- Effect of the mosaic disease on yield and quality of tobacco, with suggestions for control. J. E. McMurtrey, jr. (Maryland Sta. Bul. 302, p. 147-158, 6 figs. Dec. 1928.)
- Physiological shrinkage of potatoes in storage. C. O. Appleman, W. D. Kimbrough, and C. L. Smith. (Maryland Sta. Bul. 303, p. 159-175, 4 figs. Dec. 1928.)
- Meteorological observations for March, 1929. C. I. Guinness and L. O. Jones. (Massachusetts Sta. Met. Bul. 483, 4 p. Mar. 1929.)
- A local farm real estate price index. F. M. Thrun. (Michigan Sta. Tech. Bul. 96, 31 p., 4 figs. Mar. 1929.)
- The soils of Michigan: Grayling sand. M. M. McCool and A. G. Weidemann. (Michigan Sta. Spec. Bul. 180, 24 p., 5 figs. Jan. 1929.)
- Pollination of orchard fruits in Michigan. R. E. Marshall, S. Johnston, H. D. Hootman and H. M. Wells. (Michigan Sta. Spec. Bul. 188, 38 p., 29 figs. Mar. 1929.)
- The marketing of Michigan milk through creameries, cream stations, condenseries and cheese factories. F. T. Riddell and J. T. Horner. (Michigan Sta. Spec. Bul. 189, 36 p., 10 figs. Feb. 1929.)
- Sixty-sixth annual report of the Secretary of the State Board of Agriculture of the State of Michigan and thirty-ninth [i.e. fortieth] annual report of the experiment station from July 1, 1926, to June 30, 1927. H. H. Halladay and R. S. Shaw. 379 p., 19 figs.
- Reed canary grass. A. C. Arny et al. (Minnesota Sta. Bul. 252, 19 p., 7 figs. Mar.

- The agricultural credit situation in Minnesota. B. M. Gile and J. D. Black. (Minnesota Sta. Tech. Bul. 55, 98 p., 20 figs. Aug. 1928.)
- The tiger beetles of Minnesota. R. W. Dawson and W. Horn. (Minnesota Sta. Tech. Bul. 56, 13 p., 2 figs. Oct. 1928.)
- Report Raymond Branch Experiment Station, 1928. H. F. Wallace and J. L. Cooley, jr. (Mississippi Sta. Bul. 262, 40 p., 1 fig. Dec. 1928.)
- Market basket wisdom. D. Dickins. (Mississippi Sta. Bul. 263, 14 p. Jan. 1929.)
- Growing satsuma oranges in south Mississippi. W. S. Anderson. (Mississippi Sta. Bul. 265, 15 p., 14 figs. Dec. 1928.)
- Inspection of commercial fertilizers for 1928, made for the State Department of Agriculture. T. G. Phillips, T. O. Smith, and F. S. Schlenker. (New Hampshire Sta. Bul. 237, 12 p. Jan. 1929.)
- New Hampshire Agricultural Experiment Station report for 1928. J. C. Kendall. (New Hampshire Sta. Bul. 238, 35 p., 8 figs. Feb. 1929.)
- Certification of poultry. H. O. Stuart. (New Hampshire Sta. Circ. 29, 4 p., 3 figs. Apr. 1929.)
- Fertilizer registrations for 1929. C. S. Cathcart. (New Jersey Stas. Bul. 482, 24 p. Jan. 1929.)
- The Mexican bean beetle and how to control it. C. C. Hamilton. (New Jersey Stas. Circ. 216, 16 p., 10 figs. Mar. 1929.)
- Almonds. A. B. Fite. (New Mexico Sta. Bul. 171, 7 p., 3 figs. Jan. 1929.)
- An economic study of retail feed stores in New York State. E. A. Perregaux. (New York Cornell Sta. Bul. 471, 61 p., 11 figs. Nov. 1928.)
- The cost of handling fluid milk and cream in country plants. C. K. Tucker. (New York Cornell Sta. Bul. 473, 119 p., 11 figs. Jan. 1929.)
- The fumigation of greenhouses to destroy insect pests. G. W. Herrick and G. H. Griswold. (New York Cornell Sta. Bul. 474, 20 p., 12 figs. Feb. 1929.)
- Wheat prices and the world wheat market. V. P. Timoshenko. (New York Cornell Sta. Mem. 118, 100 p., 27 figs. Dec. 1928.)
- Prices and fertilizer materials, and factors affecting the fertilizer tonnage. E. E. Vial. (New York Cornell Sta. Mem. 119, 159 p., 27 figs. Dec. 1928.)
- A physiological study of dormancy in vetch seed. J. P. Jones. (New York Cornell Sta. Mem. 120, 50 p., 11 figs. Dec. 1928.)
- Variation and correlation in the appendages of the honeybee. E. F. Phillips. (New York Cornell Sta. Mem. 121, 52 p., 2 figs. Feb. 1929.)

Three rust diseases of the apple. H. E. Thomas and W. D. Mills. (New York Cornell Sta. Mem. 123, 21 p., 2 pls., 3 figs. Mar. 1929.)

The nematode disease of sweet potatoes. R. F. Poole and R. Schmidt. (North Carolina Sta. Bul. 265, 16 p., 8 figs. Apr. 1929.)

A chemical control for sweet potato wilt or stem rot. R. F. Poole and J. W. Woodside. (North Carolina Sta. Tech. Bul. 35, 18 p., 5 figs. Mar. 1929.)

Forty-seventh annual report of the Ohio Agricultural Experiment Station for the year ended June 30, 1928. C. G. Williams. (Ohio Sta. Bul. 431, 180 p., 25 figs. Mar. 1929.)

Pollination study of the Anjou pear in Hood River Valley. G. G. Brown and L. Childs. (Oregon Sta. Bul. 239, 15 p., 7 figs. Mar. 1929.)

Farm tenancy and lease forms in Pennsylvania. J. E. McCord. (Pennsylvania Sta. Bul. 232, 48 p., 2 figs. Mar. 1929.)

Commercial feeding stuffs, from September 1, 1927, to August 31, 1928. F. D. Fuller (Texas Sta. Bul. 392, 188 p. Dec. 1928.)

Approved formulas for special-purpose mixed feeds. (Texas Sta. Circ. 53, 11 p. Mar. 1929.)

Calcium sulphide for the control of apple and peach diseases. R. H. Hurt and F. J. Schneiderhan. (Virginia Sta. Tech. Bul. 36, 15 p., 2 figs. Feb. 1929.)

A study of the hardiness of the fruit buds of the peach. H. E. Knowlton and M. J. Dorsey. (West Virginia Sta. Bul. 211, 28 p., 3 figs. Dec. 1927.)

The effect of height of head on young apple tree growth and yield (a preliminary report). H. L. Crane. (West Virginia Sta. Bul. 214, 19 p., 2 figs. Jan. 1928.)

279
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LIST OF STATION PUBLICATIONS
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Note:- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Dusting cotton with calcium arsenate for boll weevil control, second progress report. J. M. Robinson and F. S. Arant. (Alabama Sta. Circ. 53, 15 p., 2 figs. May 1929.)

Oat varieties in California. W. W. Mackie. (California Sta. Bul. 467, 46 p. 4 figs. Apr. 1929.)

Sterilization of dairy utensils with humidified hot air. A. W. Farrall and W. M. Regan. (California Sta. Bul. 468, 13 p., 4 figs. May 1929.)

The composition of some commercial insecticides, fungicides, bactericides, rodenticides and weed killers, a compilation. H. J. Fisher and E. M. Bailey. (Connecticut State Sta. Bul. 300, p. 205-368. Jan. 1929.)

Control studies on the plum curculio in Connecticut apple orchards. P. Garman and M. P. Zappe. (Connecticut State Sta. Bul. 301, p. 371-437, 8 pls., 12 figs. Feb. 1929.)

The maintenance and improvement of permanent pastures, first report: I, A discussion of the factors involved; II, The effects of fertilizers on the soil reaction, the flora, and the production as measured by grazing, (1921-1928). B. A. Brown and W. L. Slate. (Connecticut Storrs Sta. Bul. 155, p. 151-250, 30 figs. Feb. 1929.)

Epidemiological studies of blackhead in turkeys: II, Ordinary barnyard fowl as important agents of transmission. L. F. Rettger, W. F. Kirkpatrick, and J. G. McAlpine. (Connecticut Storrs Sta. Bul. 156, p. 253-258. Apr. 1929.)

Seasonal features of Illinois grain marketing. L. J. Norton and C. L. Stewart. (Illinois Sta. Bul. 324, 46 p., 19 figs. May 1929.)

Studies of the composition of milk. O. R. Overman, F. P. Sanmann, and K. E. Wright. (Illinois Sta. Bul. 325, 174 p., 55 figs. May 1929.)

Developmental study of a rural-urban trade area. H. W. Mumford, C. L. Stewart, H. C. M. Case, and P. E. Johnston. (Illinois Sta. Bul. 326, p. 131-208, 11 figs. May 1929.)

- Feeding poultry for egg production. C. W. Knox. (Iowa Sta. Circ. 114, 15 p., 5 figs. Mar. 1929.)
- The home vegetable garden. E. S. Haber. (Iowa Sta. Circ. 115, 24 p., 6 figs. Apr. 1929.)
- The taxation system of Kansas. H. Howe. (Kansas Sta. Circ. 144, 24 p., 1 fig. Mar. 1929.)
- Making cottage cheese on the farm. W. J. Caulfield. (Kansas Sta. Circ. 146, 12 p., 4 figs. Mar. 1929.)
- Culling poultry. L. F. Payne and H. H. Steup. (Kansas Sta. Circ. 147, 51 p., 30 figs. Apr. 1929.)
- Acidosis of pregnant ewes, so-called pregnancy disease of sheep. W. W. Dimock, D. J. Healy, and F. E. Hull. (Kentucky Sta. Circ. 39, 8 p. Oct. 1928.)
- Fortieth annual report of the Kentucky Agricultural Experiment Station for the year 1927: Part II, Bulletins 277-282, Circulars 36-38. 343 + 51 p., 47 figs.
- Inspection of agricultural lime products. H. D. Haskins and M. W. Goodwin. (Massachusetts Sta. Control Ser. Bul. 46, 7 p. Dec. 1928.)
- Seed inspection. P. H. Smith et al. (Massachusetts Sta. Control Ser. Bul. 47, 11 p. Feb. 1929.)
- Meteorological observations for April, 1929. C. I. Guinness and L. O. Jones. (Massachusetts Sta. Met. Ser. Bul. 484, 4 p. Apr. 1929.)
- Studies on the overwintering and modes of infection of the fire blight organism. E. C. Tullis. (Michigan Sta. Tech. Bul. 97, 32 p., 2 pls., 2 figs. Apr. 1929.)
- Further studies on the value of non-virulent living culture vaccination of cattle against Brucella abortus infection. I. F. Huddleson. (Michigan Sta. Tech. Bul. 98, 11 p. Mar. 1929.)
- What makes some farms pay, a business analysis of 114 farms in Eaton County, Michigan. E. B. Hill and F. T. Riddell. (Michigan Sta. Spec. Bul. 187, 26 p., 5 figs. Feb. 1929.)
- Barley for Michigan farms: Part I, Barley's place in Michigan agriculture. H. C. Rather. Part II, Barley varieties. E. E. Down, H. M. Brown, and F. H. Clark. (Michigan Sta. Spec. Bul. 191, 28 p., 16 figs. Mar. 1929.)
- The mint flea beetle (Longitarsus waterhousei Kutsch), its habits, and measures for its control. L. G. Gentner. (Michigan Sta. Circ. 125, 4 p. Apr. 1929.)
- Report of Holly Springs Branch Experiment Station, 1928. C. T. Ames and O. B. Casanova. (Mississippi Sta. Bul. 264, 42 p., 9 figs. Dec. 1928.)

- Report of the South Mississippi Branch Experiment Station for 1928. W. R. Perkins, W. S. Anderson, and W. W. Welborne. (Mississippi Sta. Bul. 266, 38 p. Dec. 1928.)
- Soil survey of the Valier irrigation project. W. DeYoung. (Montana Sta. Bul. 217, 40 p., 3 figs., 2 maps. Dec. 1928.)
- The McIntosh apple industry in western Montana. S. E. Johnson. (Montana Sta. Bul. 218, 62 p., 18 figs. Jan. 1929.)
- Studies of combined sprays for destroying the overwintering eggs of the European red mite and apple aphids at the delayed dormant period of the apple tree. T. J. Headlee and J. M. Ginsburg. (New Jersey Stas. Bul. 469, 15 p. Apr. 1929.)
- Results of seed and legume inoculant inspection for 1928. J. G. Fiske. (New Jersey Stas. Bul. 434, 104 p. Jan. 1929.)
- Report of the New Jersey egg-laying contests, November 1, 1927 - October 23, 1928. W. C. Thompson. (New Jersey Stas. Hints to Poultrymen, vol. 17, No. 3, 4 p., 1 fig. Dec. 1928.)
- Egg production, monthly costs and receipts on New Jersey poultry farms, November, 1927 - October, 1928. L. M. Black. (New Jersey Stas. Hints to Poultrymen, vol. 17, No. 4, 4 p., 1 fig. Jan. 1929.)
- Chick suggestions. C. S. Platt. (New Jersey Stas. Hints to Poultrymen, vol. 17, No. 5, 4 p., 1 fig. Feb. 1929.)
- Report on the seven-point program. J. C. Taylor. (New Jersey Stas. Hints to Poultrymen, vol. 17, No. 6, 4 p., 1 fig. Mar. 1929.)
- Lice, mites and other pests. F. R. Beaudette. (New Jersey Stas. Hints to Poultrymen, vol. 17, No. 7, 4 p. Apr. 1929.)
- The preparation and use of oil sprays. J. R. Eyer and R. F. Crawford. (New Mexico Sta. Bul. 172, 20 p., 10 figs. Jan. 1929.)
- The poisoning of livestock by Drymaria pachyphylla. J. L. Lantow. (New Mexico Sta. Bul. 173, 13 p. Feb. 1929.)
- The effect of freezing on the catalase activity of apple fruits. D. B. Carrick. (New York Cornell Sta. Mem. 122, 18 p., 1 fig. Mar. 1929.)
- High-nicotine tobacco. R. C. Collison, J. D. Harlan, and L. R. Streeter. (New York State Sta. Bul. 562, 20 p. Jan. 1929.)
- Fruit regions and varieties of eastern New York. H. B. Tukey. (New York State Sta. Bul. 563, 82 p., 1 fig. Feb. 1929.)
- Potato seed treatment experiments on Long Island with special reference to the organic mercury instant dips. E. E. Clayton. (New York State Sta. Bul. 564, 32 p., 3 figs. Feb. 1929.)

- The quality of packet vegetable seed on sale in New York in 1926, 1927, and 1928. M. T. Munn, O. M. Hoefle, and M. E. Woodbridge. (New York State Sta. Bul. 565, 47 p. Mar. 1929.)
- Ohio potato diseases. P. E. Tilford. (Ohio Sta. Bul. 432, 38 p., 22 figs. Mar. 1929.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 138, p. 65-112, 10 figs. May-June 1929.) (Follows Vol. 14, No. 2.)
- Attitudes of Oklahoma farmers toward the Oklahoma Cotton Growers' Association. W. W. Fetrow. (Oklahoma Sta. Bul. 173, 60 p., 12 figs. [1929.])
- House fly fumigation experiments with calcium cyanide. C. O. Eddy. (South Carolina Sta. Bul. 256, 48 p., 15 figs. Apr. 1929.)
- The maize billbug in South Carolina. O. L. Cartwright. (South Carolina Sta. Bul. 257, 35 p., 13 figs. May 1929.)
- Abstracts of Bulletins 366-392, and Circulars 48-52. A. D. Jackson. (Texas Sta. Circ. 54, 27 p. Dec. 1928.)
- The mineral content of grains. J. E. Greaves and C. T. Hirst. (Utah Sta. Bul. 210, 38 p. May 1929.)
- Electric incubation and brooding. H. L. Garver and J. S. Carver. (Washington Col. Sta. Bul. 231, 38 p., 22 figs. Mar. 1929.)
- Orchard spraying in West Virginia. E. C. Sherwood and L. M. Peairs. (West Virginia Sta. Circ. 54, 31 p. Mar. 1929.)
- Raising the dairy calf. I. W. Rupel. (Wisconsin Sta. Bul. 404, 23 p., 11 figs. Jan. 1929.)
- Use and taxation of land in Lincoln County, Wisconsin. B. H. Hibbard, W. A. Hartman, and W. N. Sparhawk. (Wisconsin Sta. Bul. 406, 38 p., 8 pls., 3 figs. Jan. 1929.)
- The farm timberlot. F. G. Wilson. (Wisconsin Sta. Bul. 407, 31 p., 11 figs. Mar. 1929.)
- Field peas in Wisconsin. E. J. Delwiche. (Wisconsin Sta. Bul. 408, 16 p., 10 figs. Mar. 1929.)
- Results with tree planting at the Sheridan field station. R. S. Towle. (Wyoming Sta. Bul. 163, p. 79-92, 5 figs. Mar. 1929.)
- Barley production and varieties for Wyoming. G. Hartman and A. F. Vass. (Wyoming Sta. Bul. 164, p. 95-132, 9 figs. Apr. 1929.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
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LIST OF STATION PUBLICATIONS
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Note:- The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Plant and soil relations at and below the wilting percentage. O. C. Magistad and J. F. Breazeale. (Arizona Sta. Tech. Bul. 25, 36 p., 4 figs. Feb. 1929.)

Magnesium and calcium in zeolitic soils. J. F. Breazeale. (Arizona Sta. Tech. Bul. 26, p. 37-65, 1 fig. May 1929.)

Artificial incubation. H. Embleton. (Arizona Sta. Timely Hints for Farmers 160, 6 p. May 1929.)

Facts and problems of farm credit in Craighead County, Arkansas. A. N. Moore and C. O. Brannen. (Arkansas Sta. Bul. 233, 46 p., 5 figs. June 1929.)

Cotton wilt studies: II, Preliminary studies on wilt resistance and on the effect of certain soil factors on the development of cotton wilt. V. H. Young, J. O. Ware, and G. Jensen. (Arkansas Sta. Bul. 234, 32 p., 8 figs. May 1929.)

Farm organization and management in typical upland sections of Arkansas. J. A. Dickey. (Arkansas Sta. Bul. 235, 91 p., 9 figs. Apr. 1929.)

Changes in the nitrate and sulfate content of the soil solution under orchard conditions. E. L. Proebsting. (Hilgardia [California Sta.], vol. 4, No. 2, p. 57-76, 4 figs. Apr. 1929.)

Daily and seasonal air and soil temperatures at Davis, California. A. Smith. (Hilgardia [California Sta.], vol. 4, No. 3, p. 77-112, 57 figs. May 1929.)

Root development and soil moisture. J. P. Conrad and F. J. Veihmeyer. (Hilgardia [California Sta.], vol. 4, No. 4, p. 113-134, 3 figs. May 1929.)

Range resources of the San Luis Valley. H. C. Hanson. (Colorado Sta. Bul. 335, 61 p., 25 figs. Mar. 1929.)

Ants and their relation to aphids. C. R. Jones. (Colorado Sta. Bul. 341, 96 p. Feb. 1929.)

The sulphide sulphur content as a basis for diluting lime-sulphur for spraying. G. M. List. (Colorado Sta. Bul. 352, 14 p. May 1929.)

Report on inspection of commercial feeding stuffs, 1928. E. M. Bailey.
(Connecticut State Sta. Bul. 303, p. 473-578 + xix. Mar. 1929.)

The Asiatic beetle in Connecticut. R. B. Friend. (Connecticut State Sta.
Bul. 304, p. 581-664, 4 pls., 26 figs. Mar. 1929.)

Twenty-eighth report of the State Entomologist of Connecticut, 1928. W. E.
Britton. (Connecticut State Sta. Bul. 305, p. 665-768, 16 pls., 9 figs.
Apr. 1929.)

Publications available for free distribution. (Idaho Sta. Circ. 54, 4 p. June,
1929.)

Swine type studies: I, Type in swine as related to rate and economy of gain.
W. E. Carroll, S. Bull, J. B. Rice, R. J. Laible, and R. A. Smith. (Illinois
Sta. Bul. 321, p. 339-392, 6 figs. May 1929.)

Swine type studies: II, Type in swine as related to quality of pork. S. Bull and
J. H. Longwell. (Illinois Sta. Bul. 322, p. 395-490, 21 figs. May 1929.)

Swine type studies: III, The energy and protein requirements of growing swine
and the utilization of feed energy in growth. H. H. Mitchell and T. S. Hamilton.
(Illinois Sta. Bul. 323, p. 491-600, 6 figs. May 1929.)

Crop yields from Illinois soil experiment fields in 1928. F. C. Bauer. (Illinois
Sta. Bul. 327, p. 211-238. May 1929.)

Strawberry club manual. A. S. Colby. (Illinois Sta. Circ. 339, 32 p., 17 figs.
May 1929.)

Proposed plan looking toward adjustments in the agriculture of Illinois. H. W.
Mumford. (Illinois Sta. Circ. 340, 14 p., 1 fig. May 1929.)

Producing high-quality milk. M. J. Prucha. (Illinois Sta. Circ. 341, 15 p.,
13 figs. June, 1929.)

Tomato quality as influenced by the relative amount of outer and inner wall re-
gion. J. H. MacGillivray and O. W. Ford. (Indiana Sta. Bul. 327, 28 p.,
7 figs. Nov. 1923.)

A simple linebreeding program for poultry breeders. C. W. Knox. (Iowa Sta. Bul.
258, p. 210-224, 13 figs. Apr. 1929.)

The corn enterprise in Iowa. E. B. Hurd. (Iowa Sta. Bul. 259, p. 226-256, 16
figs. Apr. 1929.)

Soil survey of Iowa.--Plymouth County soils. W. H. Stevenson, P. E. Brown, et al.
(Iowa Sta. Soil Survey Rpt. 54, 62 p., 2 pls., 11 figs. Apr. 1929.)

Calcium metabolism in the laying hen: III, Calcium carbonate and hatchability.
G. D. Buckner, J. H. Martin, and A. M. Peter. (Kentucky Sta. Bul. 291, 23 p.
Jan. 1929.)

- Apple spraying experiments in 1926 and 1927. D. Folsom and T. T. Ayers. (Maine Sta. Bul. 348, p. 145-176, 2 figs. Nov. 1928.)
- An economic study of the production of tomatoes in Maryland. W. P. Walker. (Maryland Sta. Bul. 304, p. 177-238 + 1, 14 figs. Mar. 1929.)
- An economic study of the production of sweet corn and peas in Maryland. S. H. DeVault and W. P. Walker. (Maryland Sta. Bul. 305, p. 239-329 + 1, 22 figs. Mar. 1929.)
- Tomato leaf-mold, the use of fungicides for its control in greenhouses. E. F. Guba. (Massachusetts Sta. Bul. 248, 24 p., 2 pls. Mar. 1929.)
- The plum curculio in apples in Massachusetts. W. D. Whitcomb. (Massachusetts Sta. Bul. 249, p. 25-52, 8 figs. Mar. 1929.)
- Meteorological observations for May, 1929. C. I. Gunness and L. O. Jones. (Massachusetts Sta. Met. Bul. 485, 4 p. May 1929.)
- Herd charts for bulletin on further studies on the value of non-virulent living culture vaccination of cattle against Brucella abortus infection. I. F. Huddleson. (Michigan Sta. Chart section of Tech. Bul. 98, 15 p. Mar. 1929.)
- The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 11, No. 4, p. 153-214, 16 figs. May 1929.)
- [Michigan] Agricultural Experiment Station, [Summary Report of the Director], two years ending June 30, 1928. V. R. Gardner. 36 p. [1929.]
- Services of rural trade centers in distribution of farm supplies. H. B. Price and C. R. Hoffer. (Minnesota Sta. Bul. 249, 55 p., 4 figs. Oct. 1928.)
- Stoning farm lands. M. J. Thompson and A. J. Schwantes. (Minnesota Sta. Bul. 250, 28 p., 12 figs. Jan. 1929.)
- Incomes and expenditures of village and town families in Minnesota. C. C. Zimmerman. (Minnesota Sta. Bul. 253, 47 p., 1 fig. Mar. 1929.)
- [Minnesota] Agricultural Experiment Station, Thirty-sixth annual report, July 1, 1927, to June 30, 1928. W. C. Coffey. 63 p., 1 fig. 1929.
- Progress report of investigations on diseases of vegetable and ornamental plants. H. H. Wedgworth. (Mississippi Sta. Bul. 261, 21 p., 3 figs. Nov. 1929.)
- The county library in Montana. J. W. Barger. (Montana Sta. Bul. 219, 54 p., 13 figs. Jan. 1929.)
- Unit electric plants for Nebraska farms, a survey of present conditions and a study of types of plants. E. E. Brackett and E. B. Lewis. (Nebraska Sta. Bul. 235, 28 p., 9 figs. May 1929.)

Studies of arsenical injuries and correctives. J. M. Ginsburg. (New Jersey Stas. Bul. 468, 16 p., 3 figs. May 1929.)

Effect of alkaline substances on sewage sludge digestion. A. J. Fischer, W. Rudolfs, and P. J. A. Zeller. (New Jersey Stas. Bul. 474, 34 p., 17 figs. Feb. 1929.)

Lead arsenate studies on cranberry bogs in New Jersey. B. F. Driggers. (New Jersey Stas. Bul. 480, 36 p. Mar. 1929.)

Winter wheat tests in New Jersey. H. B. Sprague and E. E. Evaul. (New Jersey Stas. Bul. 483, 30 p., 9 figs. May 1929.)

Forty-ninth annual report of the New Jersey State Agricultural Experiment Station and the Forty-first annual report of the New Jersey Agricultural College Experiment Station for the year ending June 30, 1928. J. G. Lipman et al. xxix + 336 p., 9 pls., 8 figs. [1928.]

Composition and body of butter. E. S. Guthrie. (New York Cornell Sta. Bul. 477, 34 p., 11 figs. May 1929.)

Red currants and gooseberries. G. L. Slate. (New York State Sta. Circ. 112, 11 p. Apr. 1929.)

Cucumber beetles. H. C. Hockett. (New York State Sta. Circ. 113, 8 p., 7 figs. May 1929.)

Williston Substation report April 1, 1928, to March 31, 1929. E. G. Schollander. (North Dakota Sta. Bul. 227, 36 p., 16 figs. May 1929.)

Soils of Willamette series and their utilization. W. L. Powers, C. V. Ruzek, and R. E. Stephenson. (Oregon Sta. Bul. 240, 28 p., 5 figs. Dec. 1928.)

Meaning and use of Willamette soil survey. E. F. Torgerson and W. L. Powers. (Oregon Sta. Circ. 90, 19 p., 1 pl., 4 figs. Dec. 1928.)

English walnut production in Oregon. C. E. Schuster. (Oregon Sta. Circ. 91, 48 p., 24 figs. Dec. 1928.)

Tests of small spring grains. C. F. Noll and C. J. Irvin. (Pennsylvania Sta. Bul. 234, 12 p., 2 figs. Nov. 1928.)

The occurrence and significance of Salmonella pullorum in eggs. R. P. Tittsler, B. W. Heywang, and T. B. Charles. (Pennsylvania Sta. Bul. 235, 16 p., 1 fig. Dec. 1928.)

Inspection of feeds. W. L. Adams and J. E. Blaney. (Rhode Island Sta. Ann. Feed Circ., 12 p. May 1929.)

Systems of farming for the Black Waxy Prairie Belt of Texas. L. P. Gabbard, J. B. Hutson, and T. L. Gaston, jr. (Texas Sta. Bul. 395, 57 p., 9 figs. May 1929.)

Sudan grass for hay, seed, and pasture. R. E. Karper, J. R. Quinby, and D. L. Jones. (Texas Sta. Bul. 596, 32 p., 8 figs. Apr. 1929.)

Annual report of the Virginia Polytechnic Institute Agricultural Experiment Station for the period July 1, 1919, to June 30, 1927. A. W. Drinkard, jr., et al. 168 p. [1928.]

Spraying experiments for codling moth control. A. Spuler. (Washington Col. Sta. Bul. 232, 70 p., 9 figs. Mar. 1929.)

Control of fowl pox. C. E. Sawyer. (Western Washington Sta. Bul. 12-W, 24 p., 5 figs. Apr. 1929.)

A study of correlated inheritance in a certain Avena cross. R. J. Garber and K. S. Quisenberry. (West Virginia Sta. Bul. 217, 47 p. Mar. 1928.)

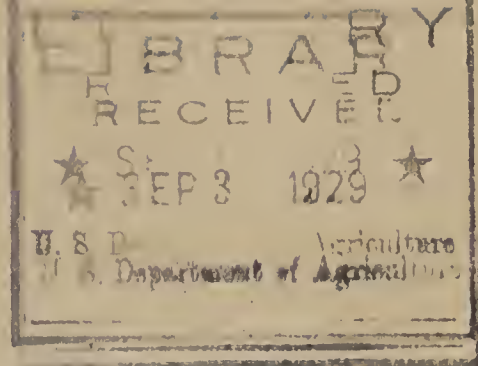
Crop rotations for West Virginia, D. R. Dodd, R. J. Garber, and T. E. Odland. (West Virginia Sta. Circ. 50, 23 p., 14 figs. Sept. 1928.)

The classification of certain virus diseases of the potato. J. Johnson. (Wisconsin Sta. Res. Bul. 87, 24 p., 6 figs. Jan. 1929.)

How fast do northern hardwoods grow? R. Zon and H. F. Scholz. (Wisconsin Sta. Res. Bul. 83, 34 p., 11 figs. Jan. 1929.)

276 Li
29

UNITED STATES DEPARTMENT OF AGRICULTURE
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LIST OF STATION PUBLICATIONS
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Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

- Milling and baking qualities of pure lines of Arizona-grown wheat. W. E. Bryan and E. H. Pressley. (Arizona Sta. Tech. Bul. 27, p. 67-100, 4 figs. June 1929.)
- Economic phases of the Arkansas apple industry. A. P. Brodell and C. O. Brannen. (Arkansas Sta. Bul. 236, 42 p., 13 figs. June 1929.)
- The solar heater. A. W. Farrall. (California Sta. Bul. 469, 30 p., 21 figs. June 1929.)
- Maturity standards for harvesting Bartlett pears for eastern shipment. F. W. Allen. (California Sta. Bul. 470, 27 p., 1 pl., 6 figs. July 1929.)
- The use of sulfur dioxide in shipping grapes. H. E. Jacob. (California Sta. Bul. 471, 24 p., 7 figs. July 1929.)
- The Mediterranean and other fruit flies. H. J. Quayle. (California Sta. Circ. 315, 19 p., 1 pl., 14 figs. July 1929.)
- The medullated wool fiber. J. F. Wilson. (Hillgardia [California Sta.], vol. 4, No. 5, p. 135-152, 4 figs. June 1929.)
- Soil reaction and liming as factors in tobacco production in Connecticut. M. F. Morgan, P. J. Anderson, and H. Dorsey. (Connecticut State Sta. Bul. 306, p. 769-806, 11 figs. Apr. 1929.)
- Fruit jellies: VI, The role of pectin: 2, The extraction of pectin from pectic materials. P. B. Myers and G. L. Baker. (Delaware Sta. Bul. 160, 64 p., 29 figs. June 1929.)
- Cotton fertilizers and cultural methods. R. P. Bledsoe. (Georgia Sta. Bul. 152, 37 p., 8 figs. Apr. 1929.)
- Credit problems of Georgia cotton farmers. A. N. Moore, J. K. Giles, and R. C. Campbell. (Georgia Sta. Bul. 153, 56 p., 5 figs. June 1929.)
- Marketing Georgia peaches. R. M. Middleton. (Georgia Sta. Bul. 155, 21 p., 7 figs. May 1929.)

- High points in work of Georgia Experiment Station, commemorating the opening of the Flynt Building. C. A. Whittle. (Georgia Sta. Bul. 156, 28+3 p., 29 figs. June 1929.)
- Cotton fiber studies. R. C. Campbell. (Georgia Sta. Bul. 158, 15 p., 6 figs. June 1929.)
- A grille for threshing soybean selections. R. P. Bledsoe. (Georgia Sta. Circ. 85, 4 p., 4 figs. May 1929.)
- The Young dewberry. J. G. Woodroof. (Georgia Sta. Circ. 86, 6 p., 4 figs. June 1929.)
- Report of the Hawaii Agricultural Experiment Station, 1928. J. M. Westgate et al. 29 p., 13 figs. June 1929.
- Summer rations for fattening steers, R. R. Snapp and J. H. Knox. (Illinois Sta. Bul. 328, p. 241-255, 4 figs. June 1929.)
- Organizing the corn-belt farm for profitable production, based on studies of farms in east-central Illinois. H. C. M. Case, R. H. Wilcox, and H. A. Berg. (Illinois Sta. Bul. 329, p. 258-332, 21 figs. June 1929.)
- Relative economy of the various cuts of pork. S. Bull and J. H. Longwell. (Illinois Sta. Bul. 330, p. 334-347, 13 figs. June 1929.)
- Buying tomatoes on grade, 1928. F. C. Gaylord and H. M. Cleaver. (Indiana Sta. Bul. 328, 16 p., 6 figs. Feb. 1929.)
- Comparison of soil liming materials. A. T. Wiancko, B. P. Walker, and S. D. Conner. (Indiana Sta. Bul. 329, 23 p., 7 figs. Jan. 1929.)
- Cattle feeding: Winter steer feeding, 1925-26, 1926-27, 1927-28. J. H. Skinner and F. G. King. (Indiana Sta. Bul. 330, 26 p., 1 fig. Jan. 1929.)
- The greenhouse centipede. H. K. Riley. (Indiana Sta. Bul. 331, 14 p., 6 figs. Mar. 1929.)
- Inspection of agricultural seeds. H. R. Kraybill et al. (Indiana Sta. Circ. 161, 100 p., 1 fig. Nov. 1928.)
- Report of Moses Tell Annex Farm, Bedford, Indiana, June, 1929. H. J. Reed and H. G. Hall. (Indiana Sta. Circ. 164, 16+2 p., 7 figs. June 1929.)
- Bacteriological studies on sulfid spoilage of canned vegetables. C. H. Werkman. (Iowa Sta. Res. Bul. 117, p. 161-180, 6 figs. May 1929.)
- Sugar cane test fields and fertilizer demonstrations. C. B. Gouaux. (Louisiana Stas. Bul. 203, 23 p. Apr. 1929.)
- Concentrated fertilizers for potatoes in Aroostook County. E. E. Brown and F. V. Owen. (Maine Sta. Bul. 350, 44 p., 7 figs. May 1929.)

- Foods and drugs. J. M. Bartlett. (Maine Sta. Off. Insp. 131, 16 p. Apr. 1929.)
- Factors influencing yield and quality of peas, biophysical and biochemical studies. V. R. Boswell. (Maryland Sta. Bul. 306, p. 341-382¹/₁. Mar. 1929.)
- A study of spinach varieties with special reference to their canning qualities. H. B. Farley. (Maryland Sta. Bul. 307, p. 383-416¹/₁, 3 figs. Mar. 1929.)
- Insecticidal value of pyrethrum soaps. E. N. Cory and N. A. Eaton. (Maryland Sta. Bul. 308, p. 417-428¹/₁. Apr. 1929.)
- Amounts of fertilizer and manure required for maintenance of fertility for vegetable production. T. H. White and V. R. Boswell. (Maryland Sta. Bul. 309, p. 429-444¹/₁. Apr. 1929.)
- The forty-first annual report of the University of Maryland Agricultural Experiment Station...1927-1928. H. J. Patterson et al. xxviii+198¹/₂ p., 43 figs. [1929.]
- Biennial report for the fiscal years ending Nov. 30, 1927 and 1928. F. J. Sievers et al. (Massachusetts Sta. Bul. 247, p. 297-349. Feb. 1929.)
- The consumer demand for apples. L. F. Jefferson. (Massachusetts Sta. Bul. 250, p. 53-71, 6 figs. Apr. 1929.)
- Causes of differences in poultry profits. R. L. Mighell and F. H. Branch, (Massachusetts Sta. Bul. 251, p. 73-91, 5 figs. May 1929.)
- Eradication of pullorum disease in Massachusetts (bacillary white diarrhea), 1928-1929. W. R. Hinshaw, E. F. Sanders, and G. L. Dunlap. (Massachusetts Sta. Control Ser. Bul. 48, 36 p., 4 figs. July 1929.)
- Common pests of field and garden crops. R. H. Pettit. (Michigan Sta. Spec. Bul. 183, 77 p., 53 figs. June 1929.)
- Oak forests of northern Michigan. J. Kittredge and A. K. Chittenden. (Michigan Sta. Spec. Bul. 190, 47 p., 11 figs. June 1929.)
- Defective graft unions in the apple and the pear. F. C. Bradford and B. G. Sitton. (Michigan Sta. Tech. Bul. 99, 106 p., 88 figs. June 1929.)
- Farm milk houses. F. E. Fogle and P. S. Lucas. (Michigan Sta. Circ. 123, 7 p., 5 figs. Apr. 1929.)
- The young vineyard. N. L. Partridge. (Michigan Sta. Circ. 124, 16 p., 7 figs. Apr. 1929.)
- Essentials of a mulch paper laying machine. H. H. Musselman. (Michigan Sta. Circ. 126, 7 p., 3 figs. May 1929.)
- Blackberries, raspberries and dewberries. H. G. Swartwout. (Missouri Sta. Bul. 265, 31 p., 17 figs. Jan. 1929.)

- Soybeans and soybean oil meal in swine rations. L. A. Weaver. (Missouri Sta. Bul. 266, 20 p., 1 fig. Feb. 1929.)
- Developing new markets for Missouri butterfat. F. L. Thomsen and W. H. E. Reid. (Missouri Sta. Bul. 267, 32 p., 12 figs. Feb. 1929.)
- Testing fertilizers for Missouri farmers, 1928. L. D. Haigh. (Missouri Sta. Bul. 270, 50+1 p., 1 fig. May 1929.)
- An economic analysis of production problems in the Bitter Root Valley. S. E. Johnson. (Montana Sta. Bul. 220, 123 p., 35 figs. Jan. 1929.)
- Rural community halls in Montana. J. W. Barger. (Montana Sta. Bul. 221, 52 p., 20 figs. Jan. 1929.)
- Simplified methods of calculating dairy rations. F. B. Headley. (Nevada Sta. Bul. 116, 23 p., 6 figs. June 1929.)
- The seasonal life history of the oriental fruit moth in New Jersey during 1924, 1925 and 1926, a summarized report. L. A. Stearns and A. Peterson. (New Jersey Stas. Bul. 455, 48 p., 10 figs. Dec. 1928.)
- Woodpeckers, nuthatches and creepers of New Jersey. L. A. Hausman. (New Jersey Stas. Bul. 470, 48 p., 43 figs. July 1928.)
- Annual report of the Department of Sewage Disposal, July 1, 1927-June 30, 1928. W. Rudolfs et al. (New Jersey Stas. Bul. 486, 80 p., 28 figs. Apr. 1929.)
- Fowl pox. F. R. Beaudette. (New Jersey Stas. Hints to Poultrymen, vol. 17, No. 8, 4 p. May 1929.)
- The economic significance of egg weights. W. C. Thompson. (New Jersey Stas. Hints to Poultrymen, vol. 17, No. 9, 4 p. June 1929.)
- The composition of the cottonseed produced in New Mexico. C. W. Botkin. (New Mexico Sta. Bul. 175, 15 p. Apr. 1929.)
- Premature seeding of celery. H. C. Thompson. (New York Cornell Sta. Bul. 480, 50 p., 15 figs. May 1929.)
- I, The microscopic appearance of unpasteurized market milk and cream. R. S. Breed. (New York State Sta. Bul. 566, 28 p., 20 pls. Mar. 1929.)
- Bacterial counts in sanitary milk control. R. S. Breed. (New York State Sta. Bul. 567, 25 p., 10 figs. Mar. 1929.)
- The sanitary significance of leucocytes in milk. R. S. Breed. (New York State Sta. Bul. 568, 14 p., 7 figs. Apr. 1929.)
- Seedling fruit stocks. H. B. Tukey. (New York State Sta. Bul. 569, 34 p., 11 figs. Apr. 1929.)
- Control measures for cucumber beetles. H. C. Hockett. (New York State Sta. Tech. Bul. 148, 82 p. Mar. 1929.)

-5-

A preliminary study of the unicorn plants (Martyniaceae). G. P. Van Eseltine.
(New York State Sta. Tech. Bul. 149, 41 p., 15 figs. Mar. 1929.)

The vegetables of New York: Vol. 1, Part 1, peas of New York. U. P. Hedrick,
F. H. Hall, L. R. Hawthorne, and A. Berger. vi+132 p., 24 pls. 1928.

Effects of synthetic nitrogen and concentrated fertilizers on cotton and sweet
potatoes. J. J. Skinner, C. B. Williams, and H. B. Mann. (North Carolina
Sta. Bul. 266, 40 p., 6 figs. May 1929.)

Farm income and taxation in North Carolina. G. W. Forster, H. W. Hawthorne,
G. S. Klemmedson, and H. H. Wooten. (North Carolina Sta. Bul. 267, p. 43-
188, 11 figs. June 1929.)

Fifty-first annual report of the North Carolina Agricultural Experiment Sta-
tion...for the fiscal year ended June 30, 1928; statistical summary for the
year ending December 1, 1928. R. Y. Winters et al. 94 p., 17 figs. [1929.]

The combined harvester-thresher in North Dakota. A. H. Benton et al. (North
Dakota Sta. Bul. 225, 49 p., 18 figs. May 1929.)

Edgeley Substation, report for years 1922 to 1928. O. A. Thompson. (North
Dakota Sta. Bul. 226, 18 p., 6 figs. May 1929.)

Potatoes, production for seed. W. G. Couey. (North Dakota Sta. Circ. 37,
12 p., 4 figs. June 1929.)

Food consumption of farm families. H. McKay and M. A. Brown. (Ohio Sta.
Bul. 433, 34 p., 2 figs. Apr. 1929.)

Fruit varieties in Ohio: IV, Crab apples. C. W. Ellenwood. (Ohio Sta. Bul.
434, 13 p., 1 fig. Apr. 1929.)

What does it cost to grow a bushel of apples? F. H. Ballou. (Ohio Sta. Bul.
435, 20 p., 6 figs. May 1929.)

The nutritive value of blood-meal protein for growth. A. R. Winter. (Ohio
Sta. Bul. 436, 42 p., 4 figs. May 1929.)

Keeping chickens in confinement. D. C. Kennard and R. M. Bethke. (Ohio Sta.
Bul. 437, 22 p., 8 figs. June 1929.)

The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 139, p. 113-144, 9 figs.
July-Aug. 1929.)

Cost and efficiency in producing alfalfa hay in Oregon. H. E. Selby. (Oregon
Sta. Bul. 241, 71+1 p., 26 figs. Dec. 1928.)

The occurrence and prevention of calyx injury in apples from the Hood River Val-
ley. H. Hartman, L. Childs, and R. H. Robinson. (Oregon Sta. Bul. 242,
23+1 p., 8 figs. May 1929.)

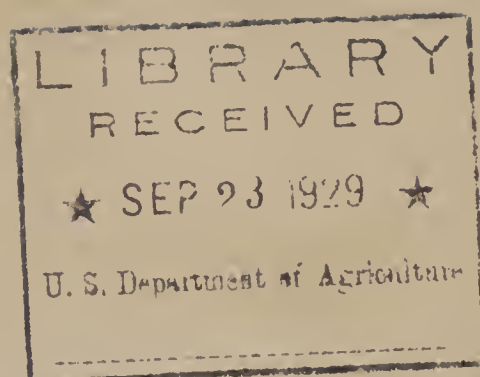
The relation of woolly apple aphids to perennial canker infection, with other
notes on the disease. L. Childs. (Oregon Sta. Bul. 243, 31 p., 11 figs.
May 1929.)

- Oregon apple prices, by variety, grade and size, 1922-1926. R. S. Besse and M. R. Cooper. (Oregon Sta. Bul. 244, 24 p., 3 figs. May 1929.)
- Cost and practices in strawberry production in the Willamette Valley. C. E. Schuster and A. S. Burrier. (Oregon Sta. Bul. 245, 43 p., 3 figs. May 1929.)
- Alfalfa in western Oregon. H. A. Schoth and G. R. Hyslop. (Oregon Sta. Bul. 246, 38 p., 13 figs. May 1929.)
- Investigations relating to the handling of sweet cherries, with special reference to chemical and physiological activities during ripening. H. Hartman and D. E. Bullis. (Oregon Sta. Bul. 247, 38 p., 17 figs. May 1929.)
- Cost and efficiency in producing hay in the Willamette Valley. H. E. Selby. (Oregon Sta. Bul. 248, 48 p., 12 figs. May 1929.)
- The chemical composition and food value of Oregon dried prunes. J. S. Jones and D. E. Bullis. (Oregon Sta. Bul. 249, 10 $\frac{1}{2}$ p., 1 fig. June 1929.)
- Cost of horse labor on Oregon farms. H. E. Selby, B. W. Rodenwold, and H. D. Scudder. (Oregon Sta. Bul. 250, 14 $\frac{1}{2}$ p. June 1929.)
- The Oregon apple-washer. H. Hartman. (Oregon Sta. Circ. 92, 4 p., 4 figs. May 1929.)
- Scours in sheep and goats in Oregon. J. N. Shaw. (Oregon Sta. Circ. 93, 16 p., 13 figs. June 1929.)
- A farm machinery survey of selected districts in Pennsylvania. H. B. Josephson, W. R. Humphries, and L. M. Church. (Pennsylvania Sta. Bul. 237, 15 p., 3 figs. Mar. 1929.)
- Farm power and labor. H. B. Josephson and R. U. Blasingame. (Pennsylvania Sta. Bul. 238, 20 p., 9 figs. Apr. 1929.)
- Results of tobacco experiments in Pennsylvania, 1922-1927. O. Olson and D. E. Haley. (Pennsylvania Sta. Bul. 240, 22 p., 8 figs. Apr. 1929.)
- Forty-first annual report of the Director of the [Rhode Island] Agricultural Experiment Station [1928]. B. E. Gilbert. p. 42-54. 1929.
- The Mexican bean beetle, 1927-1928. C. O. Eddy and W. H. Clarke. (South Carolina Sta. Bul. 258, 41 $\frac{1}{2}$ p., 17 figs. June 1929.)
- Self feeders in dairy calf feeding. T. M. Olson. (South Dakota Sta. Bul. 236, 16 p., 7 figs. Mar. 1929.)
- Experiments in plant heredity. N. E. Hansen. (South Dakota Sta. Bul. 237, 24 p. Apr. 1929.)
- Plants susceptible or resistant to cotton root rot and their relation to control. J. J. Taubenhuis, B. F. Dana, and S. E. Wolff. (Texas Sta. Bul. 393, 30 p., 5 figs. Feb. 1929.)

- Boll weevil control by airplane dusting. F. L. Thomas, W. L. Owen, jr., J. C. Gaines, jr., and F. Sherman, III. (Texas Sta. Bul. 394, 40 p., 11 figs. Apr. 1929.)
- Corn varieties in Texas, their regional and seasonal adaptation. P. C. Mangelsdorf. (Texas Sta. Bul. 397, 74 p., 15 figs. June 1929.)
- Fertilizers for rice in Texas. E. B. Reynolds and R. H. Wyche. (Texas Sta. Bul. 398, 20 p. June 1929.)
- Silage corn varieties for Utah. G. Stewart and A. L. Wilson. (Utah Sta. Bul. 211, 16 p., 4 figs. June 1929.)
- Measurement of irrigation water. G. D. Clyde. (Utah Sta. Circ. 77, 40 p., 17 figs. June 1929.)
- Annual summary of publications. B. C. Pittman. Utah Sta. Circ. 78, 8 p. July 1929.)
- Rules and regulations for the sixth Utah intermountain egg-laying contest. B. Alder. (Utah Sta. Circ. 79, 4 p., 1 fig. July 1929.)
- Bacillary white diarrhea, pullorum infection of the domestic fowl. R. A. Runnells. (Virginia Sta. Bul. 265, 27 p., 4 figs. Mar. 1929.)
- Tests of tobacco fertilizers comparing nitrogen, phosphorus and potassium from different fertilizer sources. T. B. Hutcheson and T. L. Copley. (Virginia Sta. Tech. Bul. 35, 10 p. Jan. 1929.)
- Drainage of swamps and forest growth. R. Zon and J. L. Averell. (Wisconsin Sta. Res. Bul. 89, 22 p., 10 figs. Mar. 1929.)
- Yield of jack pine in the Lake States. A. E. Wackerman, R. Zon, and F. G. Wilson. (Wisconsin Sta. Res. Bul. 90, 23 p., 8 figs. Mar. 1929.)
- Dietary studies of farm families in Albany and Lincoln Counties, Wyoming. E. J. McKittrick. (Wyoming Sta. Bul. 165, p. 135-148. May 1929.)
- Sterilization of brood combs infected with American foulbrood. C. H. Gilbert. (Wyoming Sta. Bul. 166, p. 151-171. June 1929.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
E W ALLEN Chief



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING AUGUST 1929

Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

The farm credit situation in southwestern Arkansas. B. M. Gile. (Arkansas Sta. Bul. 237, 62 p., 19 figs. June 1929.)

The production of sterile anthrax antigens. S. J. Schilling. (Arkansas Sta. Bul. 238, 27 p. June 1929.)

A study of the effect of commercial fertilizers on the performance of peach trees. J. R. Cooper and C. B. Wiggins. (Arkansas Sta. Bul. 239, 62 p., 4 figs. June 1929.)

Organization and management of tomato canning factories in Arkansas. C. E. Campbell. (Arkansas Sta. Bul. 240, 32 p., 6 figs. June 1929.)

Sweet sorghums for syrup and forage. C. K. McClelland. (Arkansas Sta. Bul. 241, 24 p., 5 figs. June 1929.)

Cotton breeding studies: I, Inheritance of fiber length; II, Heritable relationship of red plant color and leaf shape. J. O. Ware. (Arkansas Sta. Bul. 243, 38 p., 4 figs. June 1929.)

Financing the western cattleman. C. I. Bray. (Colorado Sta. Bul. 338, 87 p., 31 figs. Dec. 1928.)

Cargon disulfide for the eradication of perennial weeds. C. F. Rogers and I. Hatfield. (Colorado Sta. Bul. 347, 23 p., 12 figs. May 1929.)

Some common diseases of ornamental plants. E. L. LeClerg. (Colorado Sta. Bul. 351, 31 p., 14 figs. May 1929.)

Cost of handling citrus fruit from the tree to the car in Florida. H. G. Hamilton. (Florida Sta. Bul. 203, p. 317-423, 41 figs. Apr. 1929.)

A contribution to the biology and control of the green citrus aphid, Aphis spiraeicola Patch. R. L. Miller. (Florida Sta. Bul. 203, p. 429-476, 18 figs. Apr. 1929.)

- Strawberries in Florida, culture, diseases and insects. A. N. Brooke, J. R. Watson, and H. Mowry. (Florida Sta. Bul. 204, p. 477-523, 14 figs. May, 1929.)
- The Japanese persimmon in Florida. A. F. Camp and H. Mowry. (Florida Sta. Bul. 205, p. 527-562, 22 figs. June 1929.)
- Manson's eye worm of poultry. D. A. Sanders. (Florida Sta. Bul. 206, p. 567-585, 3 figs. June 1929.)
- Dairy herd improvement through the use of proved bulls. F. W. Atkeson, H. A. Mathiesen, and D. L. Fourn. (Idaho Sta. Bul. 163, 23 p., 7 figs. May 1929.)
- Work and progress of the agricultural experiment station for the year ending December 31, 1928. E. J. Iddings et al. (Idaho Sta. Bul. 164, 45 p. June 1929.)
- Factory tests for dairy products. D. R. Theophilus. (Idaho Sta. Circ. 53, 8 p. June 1929.)
- Practices and problems of cooperative livestock shipping associations in Illinois. R. C. Ashby. (Illinois Sta. Bul. 331, p. 350-372, 9 figs. June 1929.)
- Enzyme activity of ice cream improvers. P. H. Tracy and H. A. Ruehe. (Illinois Sta. Bul. 333, p. 482-503, 7 figs. June 1929.)
- Observations on the refrigeration of some Illinois fruits in transit. J. W. Lloyd and H. M. Newell. (Illinois Sta. Bul. 334, p. 509-544, 6 figs. June 1929.)
- Illini soy beans. C. M. Woodworth. (Illinois Sta. Bul. 335, p. 546-556, 2 figs. Aug. 1929.)
- Quality in celery as related to structure. C. B. Sayre. (Illinois Sta. Bul. 336, p. 558-588, 16 figs. Aug. 1929.)
- Caring for the fertility of Illinois soils. L. H. Smith and F. C. Bauer. (Illinois Sta. Circ. 342, 20 p. June 1929.)
- Directions for grading and packing Illinois peaches. J. W. Lloyd. (Illinois Sta. Circ. 343, 8 p. June 1929.)
- Prevention of intestinal worms in chickens. R. Graham and E. C. McCulloch. (Illinois Sta. Circ. 344, 15 p., 10 figs. June 1929.)
- Type in swine as related to rate and economy of gain and quality of pork. S. Bull and W. E. Carroll. (Illinois Sta. Circ. 345, 14 p., 14 figs. June 1929.)
- Why hog profits vary. J. A. Hopkins, jr. (Iowa Sta. Bul. 255 (Abridged), 12 p. May 1929.)
- Life, service and cost of service of farm machinery. J. B. Davidson. (Iowa Sta. Bul. 260, p. 258-275, 4 figs. June 1929.)

- The crop system in Iowa County. J. A. Hopkins, jr. (Iowa Sta. Bul 261, p. 278-315 + 1, 14 figs. June 1929.)
- Horses, tractors and farm equipment. J. A. Hopkins, jr. (Iowa Sta. Bul. 264, p. 375-404, 6 figs. June 1929.)
- A new feeding method and standards for fattening young swine. J. M. Evvard. (Iowa Sta. Res. Bul. 118, p. 181-304, 31 figs. June 1929.)
- Soil survey of Iowa.--Harrison County soils. W. H. Stevenson, R. E. Brown et al. (Iowa Sta. Soil Survey Rpt. 55, 72 p., 2 pls., 6 figs. May 1929.)
- Some weedy grasses injurious to livestock, especially sheep. L. H. Pammel. (Iowa Sta. Circ. 116, 12 p., 7 figs. June 1929.)
- Cane molasses for finishing calves. C. C. Culbertson, J. M. Evvard, W. E. Hammond, and C. F. Bassett. (Iowa Sta. Leaflet 27, 8 p. July 1929.)
- An economic study of crops and livestock in the Purchase Region of Kentucky. J. B. Hutson, W. G. Finn, and Z. L. Galloway. (Kentucky Sta. Bul. 289, p. 307-433, 21 figs. Nov. 1928.)
- Supplements for copper fungicides. E. B. Holland, C. O. Dunbar, and G. M. Gilligan. (Massachusetts Sta. Bul. 252, p. 94-112. June 1929.)
- Meteorological observations for June, 1929. C. I. Gunness. (Massachusetts Sta. Met. Bul. 486, 4 p. June 1929.)
- Meteorological observations for July, 1929. C. I. Gunness. (Massachusetts Sta. Met. Bul. 487, 4 p. July 1929.)
- Economic aspects of local elevator organization. H. Metzger and H. B. Price. Minnesota Sta. Bul. 251, 55 p., 15 figs. Apr. 1929.)
- Selection and use of pork cuts. A. M. Child. (Minnesota Sta. Bul. 254, 26 p., 12 figs. Apr. 1929.)
- Tables for determining the volume of black spruce. R. M. Brown. (Minnesota Sta. Tech. Bul. 57, 16 p., 2 figs. Apr. 1929.)
- Potato breeding methods: II, Selection in inbred lines. F. A. Krantz and A. E. Hutchins. (Minnesota Sta. Tech. Bul. 58, 23 p., 3 pls., 1 fig. Apr. 1929.)
- The use of electricity on Missouri farms. R. R. Parks. (Missouri Sta. Bul. 268, 46 + 1 p., 27 figs. Feb. 1929.)
- Land valuation, II. J. T. Waddill et al. (Missouri Sta. Bul. 269, 47 p. Mar. 1929.)
- How the experiment station solves farm problems: One year's work, agricultural experiment station (Report of the Director, July 1, 1927, to June 30, 1928). F. B. Mumford et al. (Missouri Sta. Bul. 272, 95 p., 21 figs. May 1929.)

- Biennial report of the Missouri State Fruit Experiment Station, Mountain Grove, 1927-1928. F. W. Faurot. 8 p. [1929.]
- Water carried for household purposes on Nebraska farms. M. R. Clark and G. Gray. (Nebraska Sta. Bul. 234, 22 p., 4 figs. May 1929.)
- Rural electric service supplied from central stations in Nebraska in 1927. E. E. Brackett and E. B. Lewis. (Nebraska Sta. Bul. 236, 17 p., 12 figs. July 1929.)
- On the nature and cause of "the walking disease" of northwestern Nebraska (necrobiosis et cirrhosis hepatitis enzootica). L. Van Es, L. R. Cantwell, H. M. Martin, and J. Kramer. (Nebraska Sta. Res. Bul. 43, 47 p., 5 pls., 10 figs. July 1929.)
- Forty-second annual report of the Agricultural Experiment Station of Nebraska [1928]. W. W. Burr et al. 50 p.
- Potato production costs in New Hampshire. M. F. Abell. (New Hampshire Sta. Bul. 239, 35 p., 2 figs. May 1929.)
- Simplified technique and apparatus for measuring energy requirements of cattle. E. G. Ritzman and F. G. Benedict. (New Hampshire Sta. Bul. 240, 30 p., 13 figs. May 1929.)
- White Mountain demand for vegetables and poultry products. E. H. Rinear. (New Hampshire Sta. Bul. 241, 26 p., 4 figs. May 1929.)
- The energy and the protein content of foods regularly eaten in a college community. F. G. Benedict and A. G. Farr. (New Hampshire Sta. Bul. 242, 60 p., 1 fig. May 1929.)
- Mosquitoes of New Hampshire. P. R. Lowry. (New Hampshire Sta. Bul. 243, 23 p., 1 fig. June 1929.)
- Electric household refrigeration. W. T. Ackerman. (New Hampshire Sta. Bul. 244, 23 p., 10 figs. June 1929.)
- Viscosity in ice cream mixes. H. F. DePew. (New Hampshire Sta. Tech. Bul. 38, 16 p., 1 fig. Aug. 1928.)
- Analyses of commercial feeding stuffs and registrations for 1929. C. S. Cathcart. (New Jersey Stas. Bul. 488, 104 p. June 1929.)
- Plum variety test. A. B. Fite and F. Garcia. (New Mexico Sta. Bul. 174, 30 p., 8 figs. Mar. 1929.)
- The production and marketing of New York market peas. D. Walker. (New York Cornell Sta. Bul. 475, 137 p., 40 figs. May 1929.)
- Soil and field crop management for Yates County, New York. H. O. Buckman, H. P. Cooper, and F. B. Howe. (New York Cornell Sta. Bul. 482, 83 p., 19 figs. June 1929.)

An economic study of the collection of milk at country plants in New York.

L. Spencer. (New York Cornell Sta. Bul. 486, 47 p., 16 figs. June 1929.)

The Rhizoctonia damping-off of conifers and its control by chemical treatment of the soil. J. S. Wiant. (New York Cornell Sta. Mem. 124, 64 p., 6 pls., 6 figs. Apr. 1929.)

Study of bacillary white diarrhea (pullorum disease). R. S. Dearstyne, B. F. Kaupp, and H. S. Wilfong. (North Carolina Sta. Tech. Bul. 36, 53 p., 8 figs. June 1929.)

Cost of producing silage and kale in the Willamette Valley. H. E. Selby. (Oregon Sta. Bul. 251, 34 p., 7 figs. June 1929.)

Studies of factors influencing separation of dried prunes into quality grades. E. H. Wiegand and D. E. Bullis. (Oregon Sta. Bul. 252, 47 p., 26 figs. July 1929.)

Black locust in Pennsylvania. A. G. McIntyre. (Pennsylvania Sta. Bul. 236, 20 p., 12 figs. Feb. 1929.)

The insulation of fruit and vegetable storages. R. D. Anthony and F. G. Hechler. (Pennsylvania Sta. Bul. 241, 28 p., 11 figs. June 1929.)

A study of the business practices of farmers' local cooperative purchasing associations in Pennsylvania. J. K. Stern. (Pennsylvania Sta. Bul. 242, 30 p., 15 figs. June 1929.)

Types of farming in South Dakota. R. H. Rogers and F. F. Elliott. (South Dakota Sta. Bul. 238, 71 p., 15 figs. June 1929.)

Cost of electricity for the home electric refrigerator. R. L. Patty. (South Dakota Sta. Bul. 241, 16 p., 3 figs. June 1929.)

Results of poultry feeding experiments. G. L. Stevenson. (South Dakota Sta. Bul. 242, 3 p. June 1929.)

Marketing of poultry products. G. L. Stevenson. (South Dakota Sta. Bul. 243, 12 p., 9 figs. June 1929.)

Varieties of cotton for the Blackland Region of Central Texas. D. T. Killough, H. Dunlavy, and H. E. Rea. (Texas Sta. Bul. 399, 47 p. July 1929.)

Food habits of Utah farm families. A. P. Brown. (Utah Sta. Bul. 213, 20 p. July 1929.)

Commercial feeding stuffs. L. S. Walker and E. F. Boyce. (Vermont Sta. Bul. 293, 32 p. Apr. 1929.)

The adjustment of agricultural production to meet home market demands in the Clifton Forge-Covington trade area. J. J. Vernon, T. D. Johnson, and W. O'Byrne. (Virginia Sta. Bul. 266, 30 p., 3 figs. Apr. 1929.)

Methods of balancing rations for dairy cows in digestibility trails with corn meal. C. W. Holdaway, W. B. Ellett, and J. F. Eheart. (Virginia Sta. Tech. Bul. 32, 10 p. May 1929.)

Truck crop investigations: Ornamental plants for the home grounds. M. M. Parker. (Virginia Truck Sta. Bul. 62, p. 633-644, 3 figs. Jan. 1928.)

Truck crop investigations: Spinach fertilization with synthetic nitrogen salts. H. H. Zimmerley. (Virginia Truck Sta. Bul. 63, p. 647-657, 1 fig. Apr. 1928.)

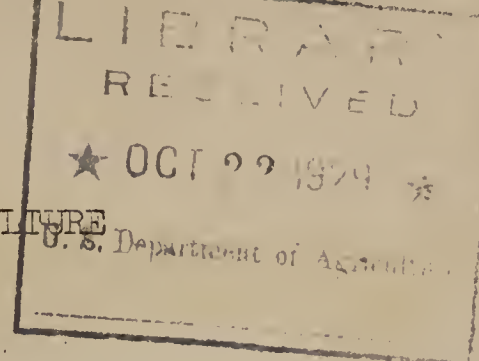
Truck crop investigations: Fusarium wilt of tomato in Virginia. F. P. McWhorter and M. M. Parker. (Virginia Truck Sta. Bul. 64, p. 661-674, 2 figs. July 1928.)

Truck crop investigations: The Mexican bean beetle in eastern Virginia. P. J. Chapman and G. E. Gould. (Virginia Truck Sta. Bul. 65, p. 677-697, 6 figs. Oct. 1928.)

Truck crop investigations: Sweet potato fertilizers. H. H. Zimmerley. (Virginia Truck Sta. Bul. 66, p. 701-717, 3 figs. Jan. 1929.)

Eradicating the bindweed with sodium chlorate. E. G. Schafer, O. C. Lee, and J. R. Neller. (Washington Col. Sta. Bul. 235, 16 p., 4 figs. June 1929.)

UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
E W ALLEN Chief



LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING SEPTEMBER 1929

Note:—The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Methods of research in soil dynamics as applied to implement design. M. L. Nichols. (Alabama Sta. Bul. 229, 27 p., 17 figs. May, 1929.)

Experiments with alfalfa. M. Nelson. (Arkansas Sta. Bul. 242, 35 p., 4 figs. June 1929.)

Factors affecting the cost of tractor logging in the California pine region. M. E. Krueger. (California Sta. Bul. 474, 44 p., 11 figs. Aug. 1929.)

The Australian saltbush, *Atriplex semibaccata*, its composition and digestibility. W. P. Headden. (Colorado Sta. Bul. 345, 27 p. An extension of Bul. 135. May 1929.)

Canada thistle and Russian knapweed and their control. C. F. Rogers. (Colorado Sta. Bul. 348, 44 p., 11 figs. Oct. 1928.)

The thirty-third report on food products and the twenty-first report on drug products, 1928, food and drug inspection and related work. E. H. Bailey. (Connecticut State Sta. Bul. 307, p. 809-848 + 1. May 1929.)

Composting barnyard manure with sulphur and rock phosphate. W. G. Friedemann. (Georgia Sta. Bul. 154, 14 p., 5 figs. July 1929.)

Quality of cotton grown in Georgia. W. T. Fullilove and W. B. Lanham. (Georgia Sta. Bul. 157, 28 p., 7 figs. Sept. 1929.)

Electric power for the farm. E. W. Lehmann and F. C. Kingsley. (Illinois Sta. Bul. 332, p. 373-479, 30 figs. June 1929.)

A field test for available phosphorus in soils. R. H. Bray. (Illinois Sta. Bul. 337, p. 590-602, 1 pl., 2 figs. Aug. 1929.)

The textiles we buy and use. H. E. McCullough. (Illinois Sta. Circ. 547, 94 p., 56 figs. Aug. 1929.)

Douglas County soils. R. S. Smith, E. E. DeTurk, F. C. Bauer, and L. H. Smith. (Illinois Sta. Soil Rpt. 43, 2 + 54 p., 2 pls., 8 figs. July 1929.)

A year's progress in solving farm problems of Illinois: Annual report of Illinois Agricultural Experiment Station for the year ended June 30, 1929. Compiled and edited by F. J. Keilholz. 270 p., 47 figs. 1929.

The inoculation of non-legumes. L. W. Erdman and P. E. Brown. (Iowa Sta. Bul. 262 p. 318-339, 15 figs. June 1929.)

The inoculation of non-legumes. L. W. Erdman and P. E. Brown. (Iowa Sta. Bul. 262 (Abridged), 8 p., 5 figs. June 1929.)

Species and varietal crosses in cucurbits. A. T. Erwin and E. S. Haber. (Iowa Sta. Bul. 263, p. 343-372, 26 figs. June 1929.)

High yielding strains and varieties of corn for Iowa. H. D. Hughes, J. L. Robins and A. A. Bryan. (Iowa Sta. Bul. 265, 80 p., 30 figs. July 1929.)

High yielding strains and varieties of corn for Iowa. H. D. Hughes, J. L. Robins and A. A. Bryan. (Iowa Sta. Bul. 265 (Abridged), 24 p., 14 figs. July 1929.)

Soil survey of Iowa.--Delaware County soils. W. H. Stevenson, P. E. Brown et al. (Iowa Sta. Soil Survey Rpt. 56, 72 p., 1 pl., 8 figs. May 1929.)

Soil survey of Iowa.--Jones County soils. W. H. Stevenson, P. E. Brown et al. (Iowa Sta. Soil Survey Rpt. 57, 72 p., 1 pl., 6 figs. May 1929.)

Soil survey of Iowa.--Fremont County soils. W. H. Stevenson, P. E. Brown et al. (Iowa Sta. Soil Survey Rpt. 58, 64 p., 1 pl., 5 figs. May 1929.)

Soil survey of Iowa.--Cherokee County soils. W. H. Stevenson, P. E. Brown et al. (Iowa Sta. Soil Survey Rpt. 59, 64 p., 1 pl., 6 figs. May 1929.)

The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 12, No. 1, 30 p., 3 figs. Aug. 1929.)

Mississippi Agricultural Experiment Station fortieth annual report for the fiscal year ending June 30, 1927. J. R. Ricks et al. 62 p.

Mississippi Agricultural Experiment Station forty-first annual report for the fiscal year ending June 30, 1928. J. R. Ricks et al. 64 p.

The soils of Missouri. M. F. Miller and H. H. Krusekopf. (Missouri Sta. Bul. 261, 120 p., 66 figs. Jan. 1929.)

The control of gullies. R. E. Uhland and J. C. Wooley. (Missouri Sta. Bul. 271, 23 + 1 p., 22 figs. May 1929.)

A summer shelter for New Jersey pullets. L. M. Black. (New Jersey Stas. Hints to Poultrymen, vol. 17, No. 10, 4 p., 3 figs. July 1929.)

New Jersey poultry rations. C. S. Platt. (New Jersey Stas. Hints to Poultrymen, vol. 17, No. 11, 4 p. Aug. 1929.)

Some inherited causes of low egg production. C. S. Platt. (New Jersey Stas. Hints to Poultrymen, vol. 17, No. 12, 4 p. Sept. 1929.)

Crop production at the Tucumcari Field Station. D. R. Burnham and H. J. Clemmer. (New Mexico Sta. Bul. 176, 42 p., 10 figs. May 1929.)

The utilization of marginal lands. W. Allen. (New York Cornell Sta. Bul. 476, 109 p., 8 figs. May 1929.)

A comparison of the cost of maintenance of large and of small county boards in the United States, a study in the cost of government. M. S. Kendrick. (New York Cornell Sta. Bul. 484, 41 p., 5 figs. June 1929.)

A study of some factors affecting seed-stalk development in cabbage. J. C. Miller. (New York Cornell Sta. Bul. 488, 46 p., 20 figs. June 1929.)

The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 140, p. 145-176, 6 figs. Sept-Oct. 1929.)

The new adaptable poultry house. D. C. Kennard. (Ohio Sta. Spec. Circ. 15, 8 p., 4 figs. Mar. 1929.)

Better lawns. F. A. Welton and R. M. Salter. (Ohio Sta. Spec. Circ. 18, 16 p., 1 pl., 9 figs. June 1929.)

Horticulture at the Ohio Agricultural Experiment Station, Wooster, Ohio. (Ohio Sta. Spec. Circ. 23, 38 p., 9 figs. Aug. 1929.)

Current Farm Economics, Oklahoma. (Oklahoma Sta. Cur. Farm Econ., vol. 2, No. 1, 4 p. Apr. 1929.)

Congenital loco in chicks. F. L. Knowlton. (Oregon Sta. Bul. 253, 15 p., 2 figs. July 1929.)

Progress report on the use of small electric motors for (1) cutting ensilage, (2) sawing wood, (3) grinding feed. H. B. Josephson and R. U. Blasingame. (Pennsylvania Sta. [publication unnumbered], 15 p. May 1929.)

The persistence of certain lawn grasses as affected by fertilization and competition. E. S. Garner and S. C. Damon. (Rhode Island Sta. Bul. 217, 22 p., 1 fig. July 1929.)

Studies on the inheritance of egg weight: II, The effect of selection on egg weight. N. F. Waters and J. C. Weldin. (Rhode Island Sta. Bul. 218, 26 p., 2 figs. July 1929.)

Practices on Rhode Island dairy farms. J. L. Tennant. (Rhode Island Sta. Bul. 219, 41 p., 5 figs. July 1929.)

Analyses of commercial fertilizers. R. N. Brackett and D. H. Henry. (South Carolina Sta. Bul. 259, 61 p. Aug. 1929.)

Winter cover crop experiments. T. S. Buie. (South Carolina Sta. Circ. 37, 14 p., 5 figs. Sept. 1929.)

Studies on the morphology of the beet leafhopper, Eutettix tenellus (Baker).

G. F. Knowlton. (Utah Sta. Bul. 212, 24 p., 36 figs. July 1929.)

Cooperative buying in West Virginia. P. A. Eko. (West Virginia Sta. Bul. 221, 55 p., 8 figs. Mar. 1929.)

Mechanics of digestion of pollen by the adult honey bee and the relation of undigested parts to dysentery of bees. W. Whitcomb, jr., and H. F. Wilson.

(Wisconsin Sta. Res. Bul. 92, 27 p., 11 figs. May 1929.)

The known predacious and parasitic enemies of the pea aphid in North America.

C. L. Fluke. (Wisconsin Sta. Res. Bul. 93, 47 p., 6 pls., 3 figs. June 1929.)

Some stock and scion observations on apple trees. R. H. Roberts. (Wisconsin Sta. Res. Bul. 94, 39 p., 33 figs. June 1929.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
E W ALLEN Chief

NOV 3 1929
U. S. DEPT. OF AGRICULTURE

LIST OF STATION PUBLICATIONS
RECEIVED BY THE OFFICE OF EXPERIMENT STATIONS
DURING OCTOBER 1929

Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Report of the Alaska Agricultural Experiment Stations, 1928. H. W. Alberts.
39 p., 13 figs. 1929.

Adobe construction. J. D. Long. (California Sta. Bul. 472, 56 p., 34 figs.
Sept. 1929.)

Series on California crops and prices: Economic aspects of the sheep industry.
E. C. Voorhies and W. E. Schneider. (California Sta. Bul. 473, 173 p., 41
figs. Sept. 1929.)

Walnut supply and price situation. H. E. Erdman and W. U. Fuhrman. (Califor-
nia Sta. Bul. 475, 60 p., 15 figs. Sept. 1929.)

The effect of dormant pruning on the carbohydrate metabolism of Vitis vinifera.
A. J. Winkler. (Hilgardia [California Sta.], vol. 4, No. 6, p. 153-173,
9 figs. Sept. 1929.)

University of Florida Agricultural Experiment Station report for the fiscal year
ending June 30, 1928. W. Newell et al. 123R + iv p., 1 pl., 10 figs. [1929.]

Coles County Soils. R. S. Smith, E. E. DeTurk, F. C. Bauer, and L. H. Smith.
(Illinois Sta. Soil Rpt. 44, 61 p., 2 pls., 10 figs. Aug. 1929.)

The collection of blood samples for the agglutination test in bovine infectious
abortion. R. L. Hectorne and R. Graham. (Illinois Sta. Circ. 348, 8 p.,
9 figs. Aug. 1929.)

Systems of farming for the Purchase Region of Kentucky. J. B. Hutson, W. G.
Finn, and Z. L. Galloway. (Kentucky Sta. Bul. 292, p. 25-154, 16 figs. Feb.
1929,)

Forty-first annual report of the agricultural experiment station of the University
of Kentucky for the year 1928, part I, Report of the director, Meteorological
summaries. T. P. Cooper. 50 + 3 p. [1929.]

Commercial feeding stuffs, 1928-1929. J. M. Bartlett. (Maine Sta. Off. Insp. 132,
p. 17-48. Aug. 1929.)

- A progress report on the testing of sulfonated oxidation products of petroleum for their insecticidal properties. J. L. Hoerner. (Maryland Sta. Bul. 310, p. 449-465. June, 1929.)
- Meteorological observations for August, 1929. C. I. Gunness and D. F. Murphy. (Massachusetts Sta. Met. Bul. 488, 4 p. Aug. 1929.)
- Meteorological observations for September, 1929. C. I. Gunness and D. F. Murphy. (Massachusetts Sta. Met. Bul. 489, 4 p. Sept. 1929.)
- The differentiation of the species of the genus *Brucella*. I. F. Huddleson. (Michigan Sta. Tech. Bul. 100, 16 p., 1 fig. Aug. 1929.)
- A test for water-soluble phosphorus: studies on water-soluble phosphorus in field soils. C. H. Spurway. (Michigan Sta. Tech. Bul. 101, 25 p. Aug. 1929.)
- Causes and effects of soil heaving. M. M. McCool and G. J. Bouyoucos. (Michigan Sta. Spec. Bul. 192, 11 p., 8 figs. July 1929.)
- Susceptibility of wheat varieties and hybrids to Fusarial head blight in Minnesota. J. J. Christensen, E. C. Stakman, and F. R. Immer. (Minnesota Sta. Tech. Bul. 59, 24 p., 2 figs. Apr. 1929.)
- Landscape gardening in home beautification. W. Kennedy. (Mississippi Sta. Bul. 267, 41 p., 22 figs. July 1929.)
- Beef cattle production in Mississippi. G. S. Templeton. (Mississippi Sta. Bul. 268, 31 p., 9 figs. June 1929.)
- Progress in agricultural investigations: Thirty-fifth annual report of the [Montana] Agricultural Experiment Station, July 1, 1927, to June 30, 1928. F. B. Linfield. 63 p. [1929.]
- Annual report of the Board of Control [Nevada Station] for the fiscal year ending June 30, 1928. S. B. Doten et al. 30 p.
- House plants and their care. H. O. Yates, jr. (New Jersey Stas. Circ. 217, 24 p., 15 figs. Sept. 1929.)
- New Mexico egg storage studies, Part I. A. L. Walker, L. N. Berry, and E. E. Anderson. (New Mexico Sta. Bul. 177, 47 p., 12 figs. June 1929.)
- An economic study of farm buildings in New York. I. F. Hall. (New York Cornell Sta. Bul. 478, 87 p., 79 figs. May 1929.)
- The clover-flower midge (*Dasyneura leguminicola* Lintner). L. P. Wehrle. New York Cornell Sta. Bul. 481, 35 p., 19 figs. May 1929.)
- Farm-property taxation in New York. I. J. Call. (New York Cornell Sta. Bul. 485, 49 p., 1 fig. June 1929.)
- Rural population, Tompkins and Schuyler Counties, New York, 1925. B. L. Melvin. (New York Cornell Sta. Bul. 487, 58 p., 13 figs. June 1929.)

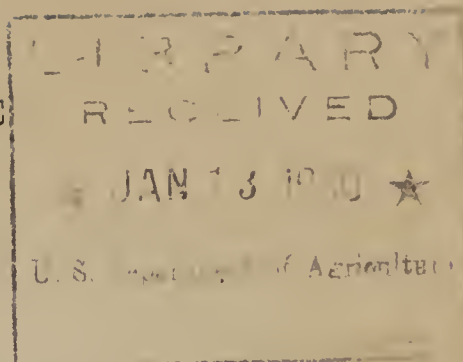
- Control of spoilage in tomato products. C. S. Pederson and R. S. Breed. (New York Sta. Bul. 570, 16 p. Aug. 1929.)
- Bacteria that survive and grow during the pasteurization of milk and their relation to bacterial counts. P. S. Prickett and R. S. Breed. (New York State Sta. Bul. 571, 25 p., 3 figs. Aug. 1929.)
- Limitations as to sunlight requirements of hens. W. P. Wheeler. (New York State Sta. Bul. 572, 14 p. Aug. 1929.)
- Artificial manure from straw. R. C. Collison and H. J. Conn. (New York State Sta. Bul. 573, 17 p. Aug. 1929.)
- The types of organisms found in spoiled tomato products. C. S. Pederson. (New York State Sta. Tech. Bul. 150, 46 p., 16 figs. July 1929.)
- The fermentation of glucose, fructose, and arabinos by organisms from spoiled tomato products. C. S. Pederson. (New York State Sta. Tech. Bul. 151, 22 p. July 1929.)
- Chemical studies of grape pigments: V, The anthocyanins in Ives grapes. R. L. Shriner and R. J. Anderson. (New York State Sta. Tech. Bul. 152, 11 p. July 1929.)
- Langdon Substation report for 1927 and 1928. V. Sturlaugson. (North Dakota Sta. Bul. 228, 34 p., 11 figs. May 1929.)
- Hettinger Substation report for 1928. C. H. Plath. (North Dakota Sta. Bul. 229, 28 p., 7 figs. May 1929.)
- North Dakota potato grade inspection service: Rules and regulations for its establishment and operation. E. M. Gillig and R. C. Hastings. (North Dakota Sta. Circ. 38, 7 + 1 p. July 1929.)
- The truck and its relationship to livestock marketing in Ohio. G. F. Henning. (Ohio Sta. Bul. 400, 45 p., 8 figs. Aug. 1929.)
- Losses in shipping Ohio livestock. G. F. Henning. (Ohio Sta. Bul. 438, 80 p., 11 figs. June 1929.)
- The culture of greenhouse chrysanthemums. W. W. Wiggin. (Ohio Sta. Bul. 439, 35 p., 8 figs. Aug. 1929.)
- Organic food reserves in relation to the eradication of Canada thistles. F. A. Welton, V. H. Morris, and A. J. Hartzler. (Ohio Sta. Bul. 441, 25 p., 8 figs. Sept. 1929.)
- Lamb feeding experiments. D. S. Bell. (Ohio Sta. Spec. Circ. 16, 8 p. [1929.])
- Swine feeding experiments with fall pigs. W. L. Robinson and L. E. Thatcher. (Ohio Sta. Spec. Circ. 17, 14 p. [1929.])
- Thirteenth annual Ohio poultry days... June 20 and 21, 1929. (Ohio Sta. Spec. Circ. 19, 4 p. [1929.])

- Announcing wheat and clover days, June 26 and 27, 1929. (Ohio Sta. Spec. Circ. 20, 4 p. [1929.])
- Effect of systems of feeding and management on flock returns. D. S. Bell. (Ohio Sta. Spec. Circ. 21, 10 p., 3 figs. [1929.])
- Dairy day... August 9, 1929. (Ohio Sta. Spec. Circ. 22, 4 p. [1929.])
- Choosing the right liming material. R. M. Salter. (Ohio Sta. Spec. Circ. 24, 4 p. [1929.])
- Higher quality wheat, why and how? (Ohio Sta. spec. Circ. 25, 12 p. 1929.)
- A fertilizer study on the brown soil of the Red Prairies. H. F. Murphy. (Oklahoma Sta. Bul. 188, 5 p. June 1929.)
- Fertility studies on Kirkland soil. H. F. Murphy. (Oklahoma Sta. Bul. 189, 6 p. June 1929.)
- Initial soil moisture and crop yield. H. H. Finnell. (Oklahoma Sta. Bul. 192, 7 p. June 1929.)
- Heavy plains soil moisture problems. H. H. Finnell. (Oklahoma Sta. Bul. 193, 7 p. June 1929.)
- Common storage of vegetables, a discussion of the factors involved. M. Benoy. Sun-dried vegetables. M. Benoy and G. Steininger. (Oklahoma Sta. Circ. 75, 7 p. June 1929.)
- Current Farm Economics, Oklahoma. (Oklahoma Sta. Cur. Farm Econ., vol. 2, No. 2, 8 p. July 1929.)
- Current Farm Economics, Oklahoma. (Oklahoma Sta. Cur. Farm Econ., vol. 2, No. 3, 8 p. Sept. 1929.)
- Further investigations on the harvesting, storing and ripening of pears from the Rogue River Valley. H. Hartman, F. C. Reimer, and R. K. Norris. (Oregon Sta. Bul. 254, 23 p., 1 fig. Aug. 1929.)
- Electric hay hoists. F. E. Price, A. W. Oliver, and E. L. Potter. (Oregon Sta. Bul. 255, 16 p., 9 figs. Sept. 1929.)
- Inspection of fertilizers. W. L. Adams and J. E. Blaney. (Rhode Island Sta. Ann. Fert. Circ., 12 p. Sept. 1929.)
- The cotton-square borer. H. J. Reinhard. (Texas Sta. Bul. 401, 36 p., 4 figs. Sept. 1929.)
- Yield and composition of pasture grass. H. B. Ellenberger, J. A. Newlander, and C. H. Jones. (Vermont Sta. Bul. 295, 68 p., 14 pls., 11 figs. June 1929.)

- The keeping quality of stored dairy products; I, Metallic flavor in frozen cream. H. B. Ellenberger and H. L. White. II, Comparative keeping quality of cream, butter, and butter oil. J. A. Newlander and H. B. Ellenberger. (Vermont Sta. Bul. 299, 16 p. July 1929.)
- The production of high quality milk: I, Cooling the electric brine cooler with cold-air storage versus ice and water. H. B. Ellenberger. (Vermont Sta. Bul. 300, 12 p., 1 fig. July 1929.)
- The role of the church in rural community life in Virginia. C. H. Hamilton and W. E. Garnett. (Virginia Sta. Bul. 267, 191 p., 62 figs. June 1929.)
- A study of farm migration in selected communities in the State of Washington. A. A. Smick and F. R. Yoder. (Washington Col. Sta. Bul. 233, 41 p., 11 figs. June, 1929.)
- The present use of work time of farm homemakers. I. F. Arnquist and E. H. Roberts. (Washington Col. Sta. Bul. 234, 31 p., 8 figs. July 1929.)
- Units of measurement and the application of irrigation water. C. C. Wright. (Washington Col. Sta. Pop. Bul. 145, 21 p., 7 figs. June 1929.)
- Recommended dates for application of standard hot water treatment to hardy narcissus. H. D. Locklin and G. A. Newton. (Western Washington Sta. Bul. 13-W, 31 + 1 p., 9 figs. July 1929.)
- Better seed corn: Growing, selecting, storing, testing. R. J. Garber and M. M. Hoover. (West Virginia Sta. Circ. 51, 15 + 1 p., 10 figs. Aug. 1929.)
- Forest fire hazard as affected by weather conditions, forest type, and density of cover. J. A. Mitchell. (Wisconsin Sta. Res. Bul. 91, 26 p., 7 figs. April 1929.)

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UNITED STATES DEPARTMENT OF AGRICULTURE
OFFICE OF EXPERIMENT STATIONS
W H EVANS Acting Chief



LIST OF STATION PUBLICATIONS
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Note:--The station publications noted in this list ARE NOT DISTRIBUTED BY THE DEPARTMENT OF AGRICULTURE but can usually be obtained, so far as the supply will permit, by applying to the stations issuing them.

Improved methods of harvesting grain sorghum. J. P. Conrad and E. J. Stirniman. (California Sta. Bul. 477, 41 p., 19 figs. Oct. 1929.)

Feeding and management of dairy calves in California. S. W. Mead. (California Sta. Bul. 478, 31 p., 7 figs. Oct. 1929.)

Electrical statistics for California farms. B. D. Moses. (California Sta. Circ. 316, 20 p., 7 figs. Oct. 1929.)

Cost of producing crops on irrigated farms. R. T. Burdick and H. B. Pingrey. (Colorado Sta. Bul. 353, 72 p., 24 figs. Sept. 1929.)

Outline of Colorado tax laws for farmers and ranchmen. G. S. Klemmedson and C. C. Gentry. (Colorado Sta. Bul. 355, 17 p. Oct. 1929.)

The sheep stomach worm. G. H. Lamson and A. F. Schulze. (Connecticut Storrs Sta. Bul. 157, p. 261-284, 8 figs. Sept. 1929.)

Studies on infectious mastitis with special reference to streptococci, first report. G. D. Brigham, J. G. McAlpine, and E. O. Anderson. (Connecticut Storrs Sta. Bul. 158, p. 285-311. Sept. 1929.)

Mango culture in Hawaii. W. T. Pope. (Hawaii Sta. Bul. 58, 27 p., 18 pls. Oct. 1929.)

Some comparisons of methods of fattening western lambs. W. G. Kammlade. (Illinois Sta. Bul. 338, 20 p. Oct. 1929.)

Test your soil for acidity. C. M. Linsley and F. C. Bauer. (Illinois Sta. Circ. 346, 16 p., 14 figs. Aug. 1929.)

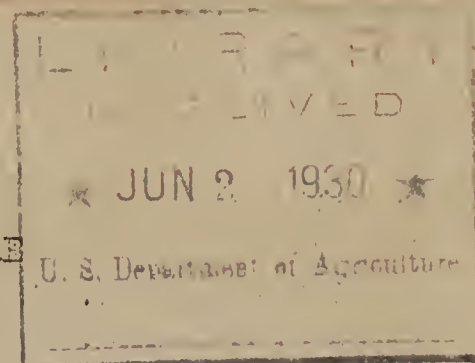
Pruning apple trees in Illinois. R. S. Marsh. (Illinois Sta. Circ. 349, 16 p., 11 figs. Oct. 1929.)

The control of the apple curculio by hogs. B. B. Fulton. (Iowa Sta. Circ. 117, 4 p., 2 figs. Sept. 1929.)

- Leafhopper injury to clover and alfalfa. H. H. Jewett. (Kentucky Sta. Bul. 293, p. 155-172, 9 figs. Mar. 1929.)
- Feeding trials with laying hens: I, Varying amounts of meat scrap; II, dull-gray and white shiny limestone; III, all-mash and grain and mash. J. H. Martin and W. M. Insko, jr. (Kentucky Sta. Bul. 294, p. 173-203, 9 figs. Apr. 1929.)
- Commercial feeds in Kentucky in 1928. J. D. Turner, H. D. Spears, W. G. Terrell, and L. V. Amburgey. (Kentucky Sta. Bul. 295, p. 205-233. May 1929.)
- Milk substitutes for calves. J. B. Lindsey and J. G. Archibald. (Massachusetts Sta. Bul. 253, p. 115-122. July 1929.)
- Metecrological observations for October, 1929. G. I. Gunness and D. F. Murphy. (Massachusetts Sta. Met. Bul. 490, 4 p. Oct. 1929.)
- Pruning young fruit trees. R. E. Marshall, H. A. Cardinell and H. D. Hootman. (Michigan Sta. Circ. 127, 32 p., 24 figs. July 1929.)
- Forest possibilities of aspen lands in the Lake States. J. Kittredge, jr., and S. R. Gevorkiantz. (Minnesota Sta. Tech. Bul. 60, 84 p., 10 figs. May 1929.)
- The influence of fallow on yield and protein content of wheat. E. Burke and R. M. Pinckney. (Montana Sta. Bul. 222, 19 p., 6 figs. July 1929.)
- Farmers' cooperation in New Jersey, 1926. C. B. Howe. (New Jersey Stas. Bul. 487, 95 p. Oct. 1929.)
- The relationships between roads and agriculture in New York. J. L. Tennant. (New York Cornell Sta. Bul. 479, 84 p., 5 figs. May 1929.)
- Control of oat smut by seed treatment. S. G. Lehman and G. W. Fant. (North Carolina Sta. Bul. 268, 16 p., 6 figs. Oct. 1929.)
- Varietal resistance of spring wheats to bunt. W. E. Brentzel and R. W. Smith. North Dakota Sta. Bul. 231, 12 p., 2 figs. July 1929.)
- Ohio agricultural statistics for 1928. G. S. Ray, T. F. McDonough, and R. E. Straszheim. (Ohio Sta. Bul. 442, 50 p. Sept. 1929.)
- The Bimonthly Bulletin. (Ohio Sta. Bimo. Bul. 141, p. 179-208, 7 figs. Nov.-Dec. 1929.)
- The manufacturing process for commercial sour cream. F. J. Doan and C. D. Dahle. (Pennsylvania Sta. Bul. 233, 15 p. Oct. 1929.)
- The Pennsylvania Agricultural Experiment Station 42nd annual report for the fiscal year ending June 30, 1929. R. L. Watts et al. (Pennsylvania Sta. Bul. 243, 47 p., 10 figs. July 1929.)

- Children of pre-school age in selected areas of South Carolina. M. E. Frayser. (South Carolina Sta. Bul. 260, 80 p., 4 figs. Sept. 1929.)
- Fruiting habit of the cotton plant. T. S. Buie. (South Carolina Sta. Bul. 261, 55 p., 3 figs. Oct. 1929.)
- Costs and uses for electricity on South Dakota farms. R. L. Patty. (South Dakota Sta. Bul. 239, 28 p., 13 figs. June 1929.)
- Hardy roses for South Dakota. N. E. Hansen. (South Dakota Sta. Bul. 240, 48 p., 8 figs. June 1929.)
- Supplementary energy-production coefficients of American feeding stuffs fed ruminants. G. S. Fraps. (Texas Sta. Bul. 402, 18 p. Oct. 1929.)
- Commercial fertilizers in 1928-29 and their uses. G. S. Fraps and S. E. Asbury. (Texas Sta. Bul. 403, 50 p. Oct. 1929.)
- Domestic slaughtering, cutting, and curing of pork. H. H. Smith. (Utah Sta. Circ. 80, 20 p., 6 figs. Oct. 1929.)
- Comparative study of data on farm household expenditures obtained by household accounts and by a survey. M. Muse and C. P. Brooks. (Vermont Sta. Bul. 294, 32 p., 10 figs. June 1929.)
- The role of magnesium in the aging of plants. B. F. Lutman and N. L. Walbridge. (Vermont Sta. Bul. 296, 48 p., 6 pls., 3 figs. June 1929.)
- The value of scabby potatoes. B. F. Lutman. (Vermont Sta. Bul. 297, 16 p., 6 figs. June 1929.)
- Studies in tolerance of New England forest trees: IX, Rainfall and width of annual rings in Vermont forests. G. P. Burns. (Vermont Sta. Bul. 298, 24 p., 17 figs. June 1929.)
- Commercial fertilizers. L. S. Walker and E. F. Boyce. (Vermont Sta. Bul. 301, 24 p. Aug. 1929.)
- Forty-second annual report, 1928-1929. J. L. Hills. (Vermont Sta. Bul. 302, 29 p. Aug. 1929.)
- Milk receiving station operation in Vermont. O. M. Camburn. (Vermont Sta. Bul. 303, 38 p. Nov. 1929.)
- Studies in Vermont dairy farming: V, Cabot-Marshfield area. E. W. Bell. (Vermont Sta. Bul. 304, 29 p., 3 figs. Sept. 1929.)
- Report of the Virgin Islands Agricultural Experiment Station, 1928. J. B. Thompson et al. 20 p., 6 figs. Oct. 1929.)
- Varieties of fruits for West Virginia: I, The tree fruits. H. E. Knowlton. (West Virginia Sta. Bul. 222, 39 p. Mar. 1929.)

UNITED STATES DEPARTMENT OF AGRICULTURE
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LIST OF STATION PUBLICATIONS
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- The life history of the fireblight pathogen, Bacillus amylovorus, as related to the means of overwintering and dissemination. H. R. Rosen. (Arkansas Sta. Bul. 244, 96 p., 48 figs. Oct. 1929.)
- Poultry houses and equipment. J. E. Dougherty and H. L. Belton. (California Sta. Bul. 476, 100 p., 107 figs. Oct. 1929.)
- The use, value and cost of credit in agriculture. C. H. West. (California Sta. Bul. 480, 47 p., 5 figs. Nov. 1929.)
- Utilization of wild oat hay for fattening yearling steers. H. R. Guilbert. (California Sta. Bul. 481, 21 p., 2 figs. Oct. 1929.)
- Substitutes for wooden breakpins. A. H. Hoffman and E. G. McKibben. (California Sta. Bul. 482, 22 p., 17 figs. Nov. 1929.)
- Utilization of surplus prunes. E. M. Mrak and W. V. Cruess. (California Sta. Bul. 483, 34 p., 11 figs. Nov. 1929.)
- Factors which modify the resistance of wheat to bunt, Tilletia tritici. F. N. Briggs. (Hilgardia [California Sta.], vol. 4, No. 7, p. 175-184. Nov. 1929.)
- An experimental study of tests for the detection of carriers of Bacterium pullorum. S. T. Michael and J. R. Beach. (Hilgardia [California Sta.], vol. 4, No. 8, p. 185-200, 1 fig. Nov. 1929.)
- A comparative investigation of certain film-forming fungi. M. A. Joslyn and W. V. Cruess. (Hilgardia [California Sta.], vol. 4, No. 9, p. 201-240, 5 figs. Nov. 1929.)
- Comparisons of daytime and nighttime soil and air temperatures. A. Smith. (Hilgardia [California Sta.], vol. 4, No. 10, p. 241-272, 14 figs. Dec. 1929.)
- Report on inspection of commercial fertilizers, 1929. E. M. Bailey. (Connecticut State Sta. Bul. 308, 106 + xi p. Sept. 1929.)

Corn silage feeding investigations: Fifth paper, Relative feeding values of the dry matter of different types of silage corn ensiled at different stages of maturity. G. C. White and R. E. Johnson. (Connecticut Storrs Sta. Bul. 159, p. 315-323. Sept. 1929.)

Studies on the control of Bang's abortion disease of cattle. C. C. Palmer. (Delaware Sta. Bul. 163, 55 p., 3 figs. Nov. 1929.)

Does Iowa "dump" its grain? G. S. Shepherd. (Iowa Sta. Circ. 118, 24 p., 15 figs. Oct. 1929.)

Raising dairy calves. E. Weaver, C. A. Matthews, and B. Oderkirk. (Iowa Sta. Circ. 119, 32 p., 7 figs. Nov. 1929.)

Information regarding recent publications. (Kans. Sta. Circ. 149, 3 p. Oct. 1929.)

Fertilizer studies and the production of sweet potatoes. F. W. Geise. (Maryland Sta. Bul. 311, 38 + 1 p., 9 figs. July 1929.)

Variety studies of spinach. F. W. Geise and H. B. Farley. (Maryland Sta. Bul. 312, p. 39-67 + 1, 19 figs. July 1929.)

Studies of premature flower formation in wintered-over cabbage. V. R. Boswell. (Maryland Sta. Bul. 313, p. 69-145 + 1, 18 figs. Aug. 1929.)

Field and sand culture experiments on fertilizing asparagus. T. H. White and V. R. Boswell. (Maryland Sta. Bul. 314, p. 147-161 + 1. Aug. 1929.)

The production and marketing of strawberries on the Eastern Shore of Maryland. W. E. Whitehouse, W. J. Hart, and W. P. Walker. (Maryland Sta. Bul. 315, p. 163-217 + 1, 14 figs. Aug. 1929.)

The preparation and effectiveness of basic copper sulfate as a fungicide. E. B. Holland, C. O. Dunbar, G. M. Gilligan, and W. L. Doran. (Massachusetts Sta. Bul. 254, p. 123-149. June 1929.)

Meteorological observations for November, 1929. C. I. Gunness and D. F. Murphy. (Massachusetts Sta. Met. Bul. 491, 4 p. Nov. 1929.)

The Quarterly Bulletin. (Michigan Sta. Quart. Bul., vol. 12, No. 2, p. 35-70, 5 figs. Nov. 1929.)

Incomes and expenditures of Minnesota farm and city families, 1927-28. C. C. Zimmerman. (Minnesota Sta. Bul. 255, 50 p., 4 figs. June 1929.)

The combine harvester in Minnesota. A. J. Schwantes et al. (Minnesota Sta. Bul. 256, 50 p., 11 figs. July 1929.)

A preliminary account of the raspberry aphids. J. D. Winter. (Minnesota Sta. Tech. Bul. 61, 30 p., 3 figs. Sept. 1929.)

- Daily growth of the oat kernel and effect on germination of immaturity and controlled low temperatures. E. G. Booth. (Minnesota Sta. Tech. Bul. 62, 42 p., 9 figs. Sept. 1929.)
- Economic position of the grape industry in Missouri. F. L. Thomsen and G. B. Thorne. (Missouri Sta. Bul. 273, 34 p., 18 figs. July 1929.)
- The relation of inadequate rations to the weights of the internal organs of chicks. A. G. Hogan, C. L. Shrewsbury, and H. L. Kempster. (Missouri Sta. Res. Bul. 122, 23 p., 2 figs. Apr. 1929.)
- Factors affecting the cost of production of alfalfa hay in western Nevada. F. B. Headley and R. M. Clawson. (Nevada Sta. Bul. 117, 45 p., 14 figs. Nov. 1929.)
- Inspection of commercial feeding stuffs, 1929, made for the State Department of Agriculture. T. G. Phillips, T. O. Smith, and F. S. Schlenker. (New Hampshire Sta. Bul. 245, 59 p. July 1929.)
- Results of seed tests for 1929, made for the State Department of Agriculture. M. G. Eastman and B. I. Clidden. (New Hampshire Sta. Bul. 246, 20 p. Sept. 1929.)
- Vaccination for the prevention of fowl pox. E. M. Gildow and C. A. Bottorff. (New Hampshire Sta. Circ. 30, 12 p., 6 figs. Nov. 1929.)
- Analyses of materials sold as insecticides and fungicides during 1929. C. S. Cathcart and R. L. Willis. (New Jersey Stas. Bul. 485, 16 p. Oct. 1929.)
- Studies on Raritan River pollution, 1927-28. W. Rudolfs et al. (New Jersey Stas. Bul. 489, 72 p., 28 figs. Oct. 1929.)
- Cranberry false blossom and the blunt-nosed leafhopper. C. S. Beckwith and S.B. Hutton. (New Jersey Stas. Bul. 491, 16 p., 6 figs. Dec. 1929.)
- State laws concerning the sale of seeds and legume inoculants. J. G. Fiske. (New Jersey Stas. Circ. 218, 15 p. Oct. 1929.)
- Weeds of New Jersey. J. G. Fiske. (New Jersey Stas. Circ. 219, 47 p., 35 figs. Sept. 1929.)
- Economic studies of dairy farming in New York: IX, Grade B milk with cash crops and mixed hay roughage, crop year 1925 with five-year summary. J.C. Neethling. (New York Cornell Sta. Bul. 483, 93 p., 17 figs. June 1929.)
- The clover-leaf caterpillar (Olethreutes cespitana Hübner) and the clover-leaf tyer (Anchylopera angulifasciana Zeller). L. P. Wehrle. (New York Cornell Sta. Bul. 489, 27 p., 19 figs. June 1929.)
- Organization of the sewing center in the home. E. M. Cushman. (New York Cornell Sta. Bul. 492, 37 p., 18 figs. Aug. 1929.)

- The number and type of bacteria in commercially prepared infant foods. G. J. Hucker and A. M. Hucker. (New York State Sta. Tech. Bul. 153, 28 p. Aug. 1929.)
- The sanitary control of commercially prepared infant foods. G. J. Hucker and A. M. Hucker. (New York State Sta. Tech. Bul. 154, 16 p. Aug. 1929.)
- The Grindrod impact sterilizer. G. J. Hucker and A. M. Hucker. (New York State Sta. Tech. Bul. 155, 31 p., 3 figs. Aug. 1929.)
- VI, The control of bacteria that grow during pasteurization. M. W. Yale. (New York State Sta. Tech. Bul. 156, 25 p. Sept. 1929.)
- Forty-eighth annual report of the New York State Agricultural Experiment Station for the fiscal year ended June 30, 1929. U. P. Hedrick. 78 p. 1929.
- The northern pig, its habits, breeding, and management. J. H. Shepperd. (North Dakota Sta. Bul. 230, 123 p., 40 figs. July 1929.)
- The truck and its relationship to livestock marketing in Ohio. G. F. Henning. (Ohio Sta. Bul. 440, 45 p., 8 figs. Aug. 1929.) (To correct entry in October list as Bul. 400.)
- Farmers' produce markets in Ohio. C. W. Hauck. (Ohio Sta. Bul. 443, 46 p., 7 figs. Nov. 1929.)
- The strawberry in Ohio. J. S. Shoemaker. (Ohio Sta. Bul. 444, 50 p., 17 figs. Nov. 1929.)
- Economic conditions of farmers in Oklahoma as related to membership in the Oklahoma Cotton Growers' Association. W. W. Fetrow. (Oklahoma Sta. Bul. 186, 23 p., 10 figs. [1929.]
- The utilization of moisture on heavy soils of the Southern Great Plains. H. H. Finnell. (Oklahoma Sta. Bul. 190, 24 p. June 1929.)
- Current farm economics, Oklahoma. (Oklahoma Sta. Cur. Farm Econ., vol. 2, No. 4, 8 p. Dec. 1929.)
- Use of time by Oregon farm homemakers. M. Wilson. (Oregon Sta. Bul. 256, 71 p., 32 figs. Nov. 1929.)
- Trends of tax levies in Oregon, with emphasis upon rural and city real properties. W. H. Dreesen. (Oregon Sta. Bul. 257, 46 p., 15 figs. Nov. 1929.)
- Cost of producing sheep on western Oregon farms. O. M. Nelson. (Oregon Sta. Circ. 94, 31 p., 16 figs. Dec. 1929.)
- The chemical composition of insecticides and fungicides. R. H. Robinson and C. F. Whitaker. (Oregon Sta. Circ. 95, 19 p. Dec. 1929.)

The rusts of Pennsylvania. F. D. Kern, H. W. Thurston, jr., C. R. Orton, and J. F. Adams. (Pennsylvania Sta. Bul. 239, 53 p. May 1929.)

Preferences and practices in buying vegetables in Providence, Rhode Island. R. B. Corbett. (Rhode Island Sta. Bul. 220, 69 p., 22 figs. Sept. 1929.)

Time factors in the business of homemaking in rural Rhode Island. M. Whittemore and B. Neil. (Rhode Island Sta. Bul. 221, 35 p., 15 figs. Sept. 1929.)

The production of gas by Salmonella pullorum, II. J. C. Weldin and H. J. Weaver. (Rhode Island Sta. Bul. 222, 25 p. Sept. 1929.)

Collar rot of apple trees. J. R. Magness. (Washington Col. Sta. Bul. 236, 19 p., 3 figs. Oct. 1929.)

Anemia in suckling pigs. E. B. Hart et al. (Wisconsin Sta. Bul. 409, 14 p., 6 figs. Sept. 1929.)

The overwintering of the tobacco mosaic virus. J. Johnson and W. B. Ogden. (Wisconsin Sta. Res. Bul. 95, 25 p. June 1929.)

